

<400> 7008

agcttccacg ttcaatttcg agcgtcttta tatgttacgg gacttaatca gacatccgag 60
aaaaaagtta gtatcgtttg agttgggtca gagattcaac attcaatttc gagcgtctcg 120
atatattacg ggactcaatc agacatccga gtaaaaagtt attgtcgttt gaattgggtc 180
agaggttcaa cattcaattt cgagcgctc gatatgttac gggactcaat aagacatccg 240
agtaaaaagt tattgtcgtt tgaattggct cagaggttca acattcaatt tcgagcgctc 300
cgatatgtta cgggactcaa taagacatcc gagtaaaaag tttttgtcgt ttgaatttgc 360
tcagaggttc aagattcaat ttcgagagtc tcgatatgtt acgggactca atcagacatc 420
cgagtaaaaa gttat 435

<210> 7009

<211> 469

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7009

ngaggataga gacttctcaa actatttata ttctctctca aagaggctct ctaactttct 60
agctntctca ctctaagaag tgaattcact ctctgtctcg atggttaaga atgaaggctc 120
ctacccttat ttatactact cctcctccac aatgaatggg ggagattact tgtatcctat 180
ggaggagatt aattctctag aatgctccac acattctagg agtctctaca ctcttctact 240
cccttccata tccttccata ctcttccata aggttccaca catatccaga atattctata 300
ggtttccaca aacttccaca agcttctaga gagttctaca ctactctaga gttctntagg 360
acgttctaga taattctaca ctnttctaga tagctctaga gatttctaga accttctcaa 420
ttaatgacgg atcccaacac aatgatacaa aataagagtg ttaattttt 469

<210> 7010

<211> 430

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7010

agcttcatga tgatgaattt agtagttttg atgatgacaa aaagcccaa agaatgattc 60

atgaaaagac atcatgaaga atcaagattc aagagaagat gaattcaaga ttcaagagaa 120
gaaatcaaga agcaacaagt caagacttaa caaggggaagt attgaaaagg atttttctaa 180
aaccaaacat agcacaattt tgttntacaa aagagttttc tcaaattttt ctaagttacc 240
agagtattta ctctctggta atcgattacc agtttctgt aattgattac caatgataaa 300
atttgatttc aaaaagtctt taactaaatt tgcaacgttc caaatgattt ttaaattggtg 360
tatttgatta caatatattg gtaatcgatt acgagtgtat ctgaacattg aaattcaaatt 420
tcaattgtga 430

<210> 7011
<211> 426
<212> DNA
<213> Glycine max

<400> 7011

agctggaaat tgtacaactt aagctcttta taaaatcgag tggtcataaa ttttcacaca 60
gatgtccgat tcggggaaat aatataatcga gacgcacgaa attgaacaac ggaagctctc 120
gagaaatttg aatggtcata acatttcact cggatgttcg atccggggac ataattttatc 180
gagacgctcg aaattgaaca accgaagctc tcgacaaatt agaatggctg taacttttca 240
cgcgaaatgtt cgattcgggg acataactca tctagacgct cgaaattgaa caacggaagc 300
tctcgagaaa tttgaatggt cataagtttt cacacggatg tccgattcgg gaacataata 360
tatcaagaca atcgaaattg aacaacggaa gctctcgaga gaatcgaatg gtcataactg 420
ttcaca 426

<210> 7012
<211> 409
<212> DNA
<213> Glycine max

<400> 7012

agctcctagt actccaccat atcctgattt aaattattaa taattgagag gtgaccacag 60
aataacaaaa caatatcagg tcgaacatat attattaaac taacgtttcc aattttctcat 120
atatgaggag gacagaaaca aaaaacaatt ctgagtcttc tgatcactga attaatagag 180
aaattaacaa actgaacaaa caaaactagc aggttttttc ggaaaactta atttattctg 240

gtgtggacgg cagacagact tatatttctt ggtttcaata ggacttcttt agcatttttc 300
 tatctactat tatctacaaa taatcaagtt attaatgacc ggacaaaatc aagaaataac 360
 ctcttgcgtc aatattatag aagtcgttcg aatctcgcat tacactact 409

<210> 7013
 <211> 466
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7013

tgcgaagtgg gtggaattcc tagagcaatt cccttatgtt atcaaacata aaaagggaaa 60
 aggtaatatt gtagccgatg ctctntctcg gcgtcatgca ttactttcta tgcttgaaac 120
 aaaattgatt ggtcttgaat gtttgaaaag catgtatgaa aatgatgaaa cttttggaga 180
 aatttttaaa aattgtgaaa aattttcaga aaatggtttc tttagacatg aaggctttct 240
 tttcaaagaa aacaaattgt gtgtgcctaa atgttctact agaaanttgc ttgtttgtga 300
 agcacatgag gaggtttaat ggggcatttt ggggtccaaa agactctaga aacattacaa 360
 gaaccatttt attggcctca tatgaaaaag gatgtgcaga aatnttgtga acattgcatt 420
 gtatgtaaaa aggcaaagtc taaggtaaag cctcatggat tgatac 466

<210> 7014
 <211> 432
 <212> DNA
 <213> Glycine max
 <400> 7014

agctttgatt tcctttgttc cggaaacctt tcttttctca tgtgcacca aaccaatct 60
 ccgggttcga agacaacctt ctttctccct ttgttggtt gtttagcata gcttttattt 120
 ttctctcaa tttgatcttt gactctctca tgaagcttct tcacatagtc cgcctttgct 180
 tgaccttctt tatgcttaaa aacagaaaca ttaggcatag gcaaaagatc aagaggagtt 240
 agtgggttaa aaccataaac aacttcaaaa ggagaacaat tagtggtgct atgaacagct 300
 ctattgtaag caaattcaac atggggtaaa caagcttccc aagtttttaa gttcttcctc 360
 aaaactgtcc taagcaaagt tcccaaagtc ctattaacaa cttccgtttg cccatcggtt 420
 tgtgggtgac aa 432

<210> 7015
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7015

ntattcaaga canagaaatt aaagatattc aagatggatg atcaagacag tttttagagt 60
 cttagaaagg gtatattaaa taggaaggga attccaattg aagtagcaaa aggtttggcc 120
 aagaattcta agttaaaaag tctttttcaa caaatttact ctctggtaat caattaccag 180
 atgatgtaat cgattaccaa tggccaaaac tgatttaca cagctattaa aatttgaatt 240
 caaaatttgc actgtgtaat cgattacaca tatatggtag tgcattacca gcagttattg 300
 aacattttta ttcaaattnt aaagcttgta atcgattaca caaataatgt aatcgattac 360
 tagagcacat ttttagaaaa tattctcgac agacacatct ttntgtgtgg ttcttgaatg 420
 gctatcatan gcctatatat atgtgacttg 450

<210> 7016
 <211> 474
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7016

cttgagacgc atgtganaac tttggcatca tcaaaacatt cagcttgatc cttngtctac 60
 acatgtcaca aggtggatga tgcttccac atctcanaac tctcttacag ggaagttgtg 120
 agactccatg gtttgcctag gaccattgtg tcagatagag atgctaagtt cattagccac 180
 ttctggaaaa ctttatgggc taagctagga actaaacttc ttttctctac cacttgtcat 240
 ccacaaactg atgggcaaac agagtttagtg aataggtctt tatccaccct tttaaaggct 300
 cttctgaaag gcaaccataa gtcttgggat gagtatcttc ctcatgtaga atttgcctac 360
 aataaggggg gtcatagaac caccaagcgg tccccttttg aggttgtcta tgggttcaat 420
 cccctaacac tgttagaact cattcccctc cactggaca ctttatttat acat 474

<210> 7017
 <211> 417

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7017

tcggttggtc aatttcgagc atctcgatat gtgatgttcc tgtatctgac ctccgtgtca 60
 taacttatga ccattttaat ttctcgagag cttccgttgt tcaatttcga gcgtctcgat 120
 atattatgcy cctgaatcgg acatccgtgt gaaggggttat gaccatttca atttcacgag 180
 agcttccgtt gttcaatttc gagcgtctcg atatgtgatg ttcttgaatc ggacctccgt 240
 gtgataactt atgaccattt tgaattctcg agagcttccg ttgatcaatt tgaacgtct 300
 caatatgtga tgtgcctgaa tcggacctnc gtgtgataac ttatgaccat ttagaattct 360
 cgagagcttc cgttgttcaa tattgagcat ctcaatatat gatgtgcctg aatcgga 417

<210> 7018
 <211> 436
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7018

agctagatat tgaacaacgg ttgctctcta gaaattcaaa tgctcataac atttcacacg 60
 gatgtccgat tcagatgcat aacgtatcta gatgtcctaaa attgaaaaac agaagctctc 120
 gagaaattca aatggtcata acttttaaca tggatgtctg attccgaagc ataacatatc 180
 gtgacgctca aaattgaata agagaagctc tcgagaaatt caaattgtca taaattttca 240
 cacggatggt cgattcgggg ataaaatatg ttgagatgct tgaaattgag agataaaaagc 300
 tctcgtgaaa ttccaatggt cataactttt cactcggatt tccgattcaa gacacttgaa 360
 attgaccaac ggaagctttn tagaaattcg aatggtcgta acttttcaca cggatgtccg 420
 attcggcgaa ataata 436

<210> 7019
 <211> 442
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7019

agctnggcat attctaacgt atagtatgca atttacaag aaaaaaata cccatattaa 60
aattcactac ttgataaaa tattatTTTT catgaatcat ttatTTTTat tctataatca 120
caattctgaa agatatttta agatgtTTTT tgaattaaat attattaaat aaattattta 180
atctatgtat ttgataatta gatttagtta tatttaggtt cagatggaat atgttttaaa 240
ataacataaa aaaatttaaa attttatcaa aatcagcgca aatcaaatat aataaaacca 300
tttagtaata taatattttt aaccttaatt aagtatccac atgattacat cgatgtaaaa 360
gccctgaaaa ccaatcactg ataactttga agttagacca gcaccatag catgattagt 420
ttagaaaact taggaggaaa ga 442

<210> 7020
<211> 446
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7020

agctnttctt tgagcaaagc aaaggcttgc tcttgTTTT caccctaggt aaatgccaca 60
ttctttctca ccagctcatt gagaggtgat gcaattgtag agaaattagg aatgaacctt 120
ctatagaagc ttgctaacc atggaagctc ctaatatctc ccacactttt tggggtgggc 180
cattctttga tggccttgat tttctcaagg tccacttgga cccatttct accaactaca 240
aaacctaaga aaactatatt atctacacaa aaggtacact tctctatatt tgcatagagg 300
gtgtttttcc taaggactga aagaacttgt ctgagatgct ctaagtgate atctaggctc 360
ctactataca ctaaaatatc atcaaaataa acaactacaa atctacctat gaaatccctt 420
aagacatgat gcataagcct cataaa 446

<210> 7021
<211> 430
<212> DNA
<213> Glycine max
<400> 7021

agcttatggt gatttatgat tatatattat gacattgtaa aattatttta tattgtcaat 60
gcatctacga tcataaactc atccaaaaat gaatcacttc atgttaaatt ctacacgac 120
ttcatcaaat gaaaatttca tgtctatttc tctttttgaa ggtatattta caaaggcttc 180

tcattggctct aagaaatattt attttttatt ttggatttat tgcttgata cagtgatattt 240
attgaggagt ggggtcaaaat tggcttgctt gcaaaggcaa aggtgaagac acaacatggg 300
gatgcacatt ctgctgagtt gtgctcacac tgtgagaagg tatgagacac attagtacaa 360
gctacatgct agctaaatag tatttttctaa tatttttcac aagactcaga ctttaacttca 420
acacatcttc 430

<210> 7022
<211> 207
<212> DNA
<213> Glycine max

<400> 7022

tagcctctcg acatattatg cgctccactc ggacatccgc gtgagaagct atgaccatat 60
gaatatctcg agagcttccg acgctgaatt tcgagcgtat cgatatatta tacgcttgga 120
tcggacctcc gcgtgagaag gtatgaccat atgaatatcg cgagagcttc cgctgtgcat 180
tttcgagcgt cgctatatgt gatgcgc 207

<210> 7023
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7023

agcttgaatc ggatatccgt gtgaaatggt atgaccattt gaatttctga agagcttccg 60
tagttcaatt tcgagcttct cgacatatta tacgcccga tccggacattc gtgtgaaaag 120
ttatgaccat ttgaatatct cgagagcttc ctatgtttta tttcgagcgt atcgatatat 180
tataagcctg aatcggacat tcgtgtgaaa agttcttacc atttgaattt gcgagagttt 240
tttatgttta atttcgagcg tatcgatata ttatacgctt gcatcggaca tccgtgtgaa 300
aagttatgac catttgaatt tctcaagagc ttcggttggt caatttctag actctcgaca 360
tattatgcgc ccgaatcgga catccgtgtg aaaagntatg accatttgaa cttctcgaga 420
g 421

<210> 7024

<211> 385
 <212> DNA
 <213> Glycine max

<400> 7024

gggcgcgaaa catgtagagg aatctaactg ccttggtctg tgtctgctgc agttagagat 60
 ttatagcatg aacaagtatt tccattaaac aaagggatgc atggacttgc tacaccactt 120
 gtggaataca gacttgctga tggaactgaa tttgaaatgg aagcgatacc aatgggggtc 180
 aatagtcggg acatctctaa cacgtttagg attgcctctc catttgtagt tgatgaaact 240
 atgcttgaaa aagcgcttgg ggtaattgat aatgatatgt cataatgccg tgttacaaat 300
 ttttttaata tattacatgt gaatgaatag gtcggctct gatgtcatca tgaatgattt 360
 ttcttaagca aatcttgaag gaaaa 385

<210> 7025
 <211> 463
 <212> DNA
 <213> Glycine max

<400> 7025

ctaagcttat taatgatgcc ttcaagcatt gtataatctg taactccaat ctttccatga 60
 agaagccaca taagccaatc cgcttggtgc aacaacagag catgtttttg gtttgaacca 120
 acatgattcc accacgagac gagtttacac agagtggatg atccggtgca aaccgatga 180
 tttggaggag caatagattt caccgttgcc aaagcatcag ggcaactctc attgtaaagt 240
 aaaggtctcc acaacggttc ttccgagtca ctgcaacacc agattcatat tcctacttca 300
 gaattcaaat acacgataat cttaatcttt aattaacaga aagattaaaa tttaaaciaa 360
 aaagtcgatc cacctatcga caatgatagt agttgcagaa gtcccatcaa cagaaatgga 420
 gacaacgtgt ttgcgaatgt gaagtgtgac atcatgaagc ata 463

<210> 7026
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7026

agcttgngaa tgtgatcaag gagaaattgt tgggtctcct aagtttcctt tataaaccta 60

tgatatgaaa gtttacattt cacttatcta atagctaact tgattattta ttttgttgat 120
 cctttcagaa aatcgactgt attcacaaca atgcagttat ggagttgatg agaggtgtta 180
 gaaatcagtt aactgaactc atatctggtc tagctgttca agacatggcc ccaatgagtt 240
 tgggtttatc tcacagctta tccagataca aattgaagtt tagtgcagag aaggtgtatt 300
 ttccgttgac tttatggta taaggaattg atgttatcat tgtactctta ttctaagtat 360
 attgaccaca ctgtagattn ttattatgtt gaggtctata tcctactctg ctattcacca 420
 aagaaatact c 431

<210> 7027
 <211> 463
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7027

ctgatggtgt cgagaagaaa atcacatggt gtcacatca aaaaggtgga gaatgtgaat 60
 gtatgtatac atgattntga tgatgtcaaa aaagaatcta acaaggctgc ttcaaatgat 120
 aagcatttgc ttcaagaata attcaagatt gtttcaaca acaaagcctt gtttcaagat 180
 tcactaaaga ccaagccttg ccttaaaaca aagtgatttc aagacatgca aggctctggg 240
 aatcgattac caggaagtgt aatcgattac cagaagacgg tgttgagaaa tagctgttga 300
 aaaaggggtt gaatttgaat tttcaacatg taatcgatta ccatatgtct gtaatcgatt 360
 accagcaacg aaactttgga aactcaaatt caaaagtcac aaccctgtca attataactg 420
 tgtaatcgat tacgcaaaca ttgtaatcga ttactagtgg aaa 463

<210> 7028
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 7028

aaatgttcga caccgaaacc tagtgaaggt tatcacttct tgctccagtc ttgattataa 60
 gggagaggaa ttcaaggccc ttgttatgca actcatgccc aatggtaact tggacgtgag 120
 tctatacccc gaagatgttg agtcaggatc ctctctacct tgttgcaaag attgaacatt 180

ttcattgatg ttgcctctgc tatggactac ttgcaccatg actgtaatcc acccgtagtg 240
cattgtgata tgaaacctgt caatgtcctt ctagatgaaa atatggtagc ccatgttgca 300
tattttggat tggaagggtt ctatctcaaa gtacatctga gatgcagagt agcactctgg 360
gactgaaagg atcaatatgc tatattgccc ctggtacaca ttaatgtttc tcttctatt 420
aatact 426

<210> 7029
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7029

cttgaatctac caccatcgct gccaccatca tctaagtttt ctattatttt taatattact 60
agtactntgt tttctagtcg tgtatttggc tatattatga cattttggat aatttagtat 120
ttctttattt gcatgggttg attgaacaat tatgaattat gttatatgac tatgtgggtt 180
ttatatttga tctattcatg tttcttgctt catgattggt ttatattctt caatgtatgt 240
cttgtgaatg attaatagta tatgattgtc atatacttgt tacgcacttg ggctctttgt 300
tgatgccaaa gggggagaga aataggaatt aaatcaagaa ctcacataag taattaactt 360
aatttcaagt gaagcataaa ttaaaaaaca cagggggaga atggaaaatt aagtgagtga 420
tcgactacga naaagtgtgt gtatgtgt 448

<210> 7030
<211> 433
<212> DNA
<213> Glycine max

<400> 7030

agcttcaaga ataatggcct cagcaaaactt cttattccca gaaggaaatt caataaatag 60
gcctccaatt tttaatggaa agggttacca ctactggaaa acccaaagtc aaattttcat 120
tgaggcaata gacttaaaca tttgggaagc catagaagtt ggaccttatg taccacccat 180
gggtggctgga aatgcaacaa tagagaaacc tagagaagag tggactgaag atgaaagaag 240
attagtgcag tacaatttaa aggctaaaaa catcattact tctaccctag gaatggatga 300
atatttttagg gtttcaaatt gtaagagtgc taaggatatg tgggacactc tacaagttac 360

acatgagggga acaactgatg tcaaacgatc taggataaat actttaactc atgagtatga 420
attatttagg atg 433

<210> 7031
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7031

tatgctgcan atatntacaa tagacctcct caacctcagc agcataatca accacagcag 60
aacaattatg acctctccag caacagatat aaccctagat ggaggaatca ccctaacctc 120
agattgtcca gccctcagca acaacaacaa caacctgctc ctctcttcca aaatgttgct 180
ggcccaagca gaccatacat tctctcacca atccaacaac agcaacaacc ccagatacag 240
ccaacagttg aggcccctcc acaaccttcc cttgaagaac ttgtgaggca aatgactatg 300
cagaacatgc agtttcagca agagaccaga gcctccattc agagcttaac caattagatg 360
ggacaatngg ctacacaatt gaatcaacaa cagtcccaga aatttgacaa gctaccttct 420
caagct 426

<210> 7032
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7032

gcttgaagat ccaaggatca atgttactgc tagcgtgtgg caaattgtaa gcanaagacc 60
aaganagcac gtcattcgat tccccaggta tgtcgagtcc cgtggcagca gagaacccta 120
tctcaccaca ctcgggaaga gaagtcttca aatcgaccac atcggagagg atattgctgg 180
ttctctgtga agggtagacc acagaagcaa ccaagaagct ggtggaggca tcataggtaa 240
tgagaacctt ggctacttta ttgttgcca aatcccaaga cgtcgttttg atggatctga 300
tagaattgac gttaattccg atgtgtggat ttggtggatc ccaagagttc cggaaagtgt 360
caaactcaac agcgacgact ngatcaccag act 393

<210> 7033
 <211> 472
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7033

tgtaccanna gttgaaaagt aactaagcct atgtttgcat gtacgaatga tagctcctaa 60
 ttctgtatga actatagctg tacatacccc tctaatatca tatataacag cttcacaatc 120
 taattcaata ataatccaga ctcaagcttt taattttttt tagttaaagt cagattatat 180
 atattaaaaa aaagcttatt aagttttata gactaaccta tttagtaata attaatat 240
 ttttaataaa aatattgttt taatatgaaa tataatatta taattatttt agtaatttgg 300
 atatttgaat cattttaatg ttgaaataa gttaattaat gtaaacaatag atgaataata 360
 gaaataagga ttattttctt ttgttgggac ataaaagaat ttgatatcct atcacatgta 420
 atgggttata gataaatttg atcaaattctt attatcttaa aatggtttat ta 472

<210> 7034
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 7034

tcaacctaga ggagacgaac cattccaagt gttggagaag atcaacgaca atgcctacaa 60
 gattgacttg cctagtgaat ataattgaag tgccactttc aatgtgtctg atctatctct 120
 ttttgatgca gatggaggag ccttggattt gaggacaaat ccttttcaag gagggagtga 180
 tgaggacata accaagggca aggaccatga agcacttgaa ggtcccatga ccagaggcag 240
 acttaaacia gcccaacaca tcatagagac aaggctggtc atttgtatag ctgtcattga 300
 tgatgattga aggcccaagt ggagaaagat gaaggccag aggcagatgc actaccaaga 360
 ctactaattg ttgctgaagg cccaaactaa cttgaaggcc caagttaa at aagtttttag 420
 tta 472

<210> 7035
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 7035

gcctctcggt agtggtacct taagtttcat gggataattt cttcatttgg ttgtgatgaa 60
aaccatcatg atcaatgcat atacctcaag gtcaatggga gtaaaatatg ttttcttggt 120
ttatatgtag atgatatttt acttgcagcc aatgatcgag gtttgctaca tgagggtgaaa 180
caatttctct ctaagaattt tgatatgaag gatatgggtg atgcatctta tgtcatcggc 240
attaagattc atagagatag acctcggggg atttttaggtt tatcatagga aacctatatt 300
aacaaaattt tagagagatt tcaaataaaa gattgttcac taagtgtcgc tccccttggt 360
aagggtgata tgtttaattt gaaacaatgc ccatagaatg actatgagag ggaaaaaatg 420
aataaca 427

<210> 7036
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7036

agctngttnt aaaccatata tagatttatt aagcttgcaa accaaatgct caccactatc 60
agaggagaaa ccttttaggtt gtttcatata aacctctccc tctaaatcac cattaagaaa 120
agttgtttta acatcaattt gttgcaactc aagggtcaaaa tgagcaacta atgccaagat 180
tatacgaaga gaatctttct tagatactgg agaaaaagtc tctttgtaat ctattccttc 240
cttttgagta aatccttttag caacaagtct tgccttgat ctctcgatgt tgccaatga 300
atcccttttg gtcttaaagg cccatttata tccaatgacc ttgccccat taggcaactc 360
tacaagggtc caaactttgt tactctgcat agaattcatc tcattcctca tggcatcata 420
ccataaatnt gactctttac aactcatg 448

<210> 7037
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7037

cttgagatnt ccaagtgcc aatcgctctt ttctntagtc cagtcttctt ctggcttcaa 60

ttcatcagtg ggcttttccct ctgtgtccag catcttgga tgttcccagc ctttgatgac 120
agctttccag gttctgtat ccagtgattt gagaaaggcc accatccttg ctttccagta 180
ttcatagttg gtcccatcca gaattggtgg tctgttctact ggtcctcctt ctttctccat 240
gttcatcaga atttatctcc ctagatctca ctcatgatt tcgagtgcct gctctgatac 300
caattgaaat tctgatactg tggacagatg tcgtacagga tgtcacgaca tcatgcttca 360
gaacatgctg atttatattg agcgtatgaa cagggttaaac aagtaaataa cacaagagaa 420
ttgtataccc agtc 434

<210> 7038
<211> 463
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7038

ngctttccat tgtgcgtcca tagtattggc tttgcagttt catcagtatg catattgact 60
atgtttcaac ctatctttgt aattttatag atttgctgtg ttttcatttg tcttatcaga 120
cctcaatttt cgtcatgttt tttgttacia attggctcaa ttctaccttg tcttgatca 180
aaatcgactt cattntaact catccaaata tgtagnntgg tgttatgttt gattctatat 240
gtaatttgct tccgcctctt attcaciaat atagttcggc ctcatcttta agccagatat 300
gatgttgact tcatgctttc cattatgtgt ttttaattta gtttgtttct cttgatatgt 360
ttaattttaa caagctatac cagagtgata gaatatcaca agtgtgtaca tcataatact 420
atctaattt atttatctt atttatata gcgtttaagt atc 463

<210> 7039
<211> 441
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7039

ntanacggta tataattatt tatgttttag tgtttntatg ccaaagtta ttgactaatg 60
aggggttagg gttacttcac tctgtangat ttatggttac gtgactaatt aggatttagt 120
tttacttgac catctatggt ttatggttac tngattaatg gcgaatttat gctaccttac 180

taagtaggga ttatgattgc ttaactaatt anggtttaag gttagcttac tagtcaaggt 240
 tcactaattg tgggttagtg ttacataaca aattacgatg gtttcactaa ttagtgccat 300
 taaaggttta acatgataat atcaattggg gattaattta taatacacat acaacatata 360
 tgataataat taaaaatctt atcaaataac attaaataat aaacattngt taatgatatt 420
 gcatacataa ttcataataa a 441

<210> 7040
 <211> 316
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7040

atcggaacac tcggtgctt acacaagggtg caaagactcc aactttaaac acttggaac 60
 ccccaaaagn cccacatcgc taacctgaac cttctctaaa tgaatctcaa ccaacccgga 120
 attcaacttt ccaacacttt ccagagtcac atcccaatcc cctgaacacc gaatcaactt 180
 gagcgtttca agcttcttcg agttaattat taacggcgcg aaactgtggc ctgtaacgag 240
 ctccttgagg caaatcgatt tcaacgaaga agaggaagta acggaaagag gcaccgattc 300
 cgcgccgcca cegtta 316

<210> 7041
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7041

tgtaagacaa gaaagtgcaa ctgagatatg atatgcccta ccactgtttg gttatcctga 60
 agatggcaca tttgtggagc aagatttcgt tattaaagga caattatgtc ttgccataca 120
 atagatttga cccagcaggc ctgtttgaaa ttatttaact tactgcaatg aatcctagct 180
 tggtaaataa ttcttcaccg actcatccca gatggagaaa agtagcttat ggtgggatgc 240
 aacctgggta tgatgacaat catacagatg aatctttcct tgaaggaatg gtcatgaatg 300
 ccagtgttgt aaaacgggac atgctaaagg tgatgctgga nctcggttcc atttctgaaa 360
 tattatgtat tgggtgctctt gatgcttggg ctggacctgt acacttgcac caactattga 420

tgaaaattct c

431

<210> 7042
<211> 381
<212> DNA
<213> Glycine max

<400> 7042

agctataact gtctggtaat ctatgaacat atgatgactg gatctccagt gggcagatac 60
gtgatagaac agctataaaa atttgaattc gaaattttta aagctgtaat cgattacaca 120
attgtggtaa tcgattacca gcagtttagta aacgttttta ttcaaatttt aaaagctgta 180
atcgattaca caattgctgt aatcgattac cagacaggaa tttcagaaaa ataatttcaa 240
gagtcacaac ttttcaaagg ctttactcat gaccaccaat ggtctatata tatgtgactt 300
aaacatgaaa ttgctcagag attttcagaa caacaaagtg tttatcctct caaaaagcaa 360
tttcatttta tcctcttaaa g 381

<210> 7043
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7043

tccccattatt cacttcccta cttaaaccac acatgtttct ttactatttc atttaaggaa 60
gagctagtgt gctaaagtct ttgataaagc acctatagaa actagctaac acatggaaaa 120
tcctcgcttc acccacattc ttaggggtag gccaatctct aaatagcttt cactttatcc 180
tcacgactt gcatgccctt agagctcaca acanattcta ggaacactac ttgattagt 240
caaatgtgc attagcctta tttgcattca agctctctct ttttaagcact tccaaaacac 300
tcctaatatg gtccaagtgg tcatcaaatg tcaaactata gatcgagata tcaccaaagt 360
acacaaccac aaatttaata atgaagtgtt tcaaatatg ggtcattaat ctcatgaaag 420
tggttggtgc attggttacg ccaaaaggca tgaccaacca ctcatat 467

<210> 7044
<211> 459
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7044

cttctattta aatntcgagc atctcgatat attacgggac tcaatttcac atccgagtaa 60
aagggttattg tcgtttgaat ntgctcagag cttcannatt tcaattgcag tgtctcaata 120
tgttacggga ctcaatcgga catccgagta agatgttatt gtcgtttgga attgctcaaa 180
gtttcttttt taaatttcga gcgtctcgat atattatggg actcaattgg acatcggagt 240
aaaaagttat tgcgtttga atttgcttag agcttctatt ttaaattctg agcgtttcga 300
tatattacag gactcaatag gacatctgag aaaaatgtta atgccgtttg aatntgctcg 360
gagcttctat ttttcaattt gagtgtcccg atattntaaa ggactcaatc ggacatccga 420
gtaaaatggt attggtcgta gaagttgctc agagcttct 459

<210> 7045

<211> 438

<212> DNA

<213> Glycine max

<400> 7045

agcttggtga gtatgcagtg aaaaatggcc ctgactttga agctatgata tgtgaaaaac 60
aacgggataa tccttcctat agcttcctct ttgggtggga aggtcatggt tactaccgtt 120
ataagctttg gttatcaact cgteccccgg gtgggtccatt caaccgtct tttccatcat 180
cttccatgcc catgatgctt cctccaaatc caatgatgaa tctgtctcct gtaaattgtt 240
ctccgatgaa cctgcagga attggttctt caccttcgat gctaggtcca cctcctttcc 300
aacagttcta tgatcaacaa caccaccatc aacatcctca gtcttttga cttcctggtc 360
ggcctgagta tgatccgtca tccaagtctt tcaaaggat ctctgggcca cttccatctg 420
atgttgcaat ggagctca 438

<210> 7046

<211> 358

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7046

gcctcacgtc agtgggtacct taagtntcat gggataatnt cttcattnngg ttntgatgaa 60
naccacatgg atcaatgcat ataccacaag gtcagtggga gtaaaatatg ttntcttggt 120
ntatatgtag atgatattnt acttgcaacc aatgatcaag gtttgctaca tgaggtgaaa 180
caatttctct ctaagaatnt ggacatgaag gatatgggtg atgcatctta tgtcatcggc 240
attaagattc atagagatag acctcgaggt attttagggtc tatcatagga gacctatatt 300
aacaaaantt tattagtgtat ttggatgaaa attgttcacc aagtgttgct cccatcgt 358

<210> 7047
<211> 227
<212> DNA
<213> Glycine max

<400> 7047

tagctttaga tttggatcca taggactatc aacagggtcta caattctgca tacctgtctc 60
ctccaaaata tcaagagcat acttcctctg tgagatcacg acatcatctt ctgattgagc 120
aacctcaata ccaagaaaat acttcagata tcccaaactt ttgggtctgga agtgactaaa 180
caagtgttct ttaagttggg caatcttagt agtatcattt cctgtta 227

<210> 7048
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7048

ggtatgtata taacattgta taggggttatg ggtgatgaga ggtgcacagt gcctgagtgg 60
gtagcatgaa catgatgacc attatggagc ttcactgtaa ctgggttaat gcgttcatat 120
gaatggagat tattcatgga acaagatacg tgatctgtag ctctgaatc tagtatccag 180
gagctagtaa aaggttgaga catacctgcg ttggaacggt tatcaatggt gcaggatgag 240
aatgacgcaa ctcgtttggt ttgctccgat gccgcgttta cggccgatgg ccgctggatt 300
aaagcaagta nggccttgta cttctcacgc gagaatcgca cgagatctgn gactcatgat 360
gctgagtttg atcatncagc ggtttattat ccaccgtcat cacgtcattt actgtaggtc 420
ttcttccatt at 432

<210> 7049
 <211> 449
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7049

gcagccattg agagagctcg agtgccactg tcactagaca ccatataatt caataatggc 60
 ccatataagc acacaagaat atactgaaca tttggcagac tttagctagc atcggatata 120
 acatggtttg agcttctctt ccctaattaa aaattgaagt ttctacatgg atatacaaca 180
 tattattaat taccgggata gagaagatga taaaagagag aaagatgtac atgtgatgat 240
 aagtaatata tatatgattt gtttcttgct accataagta tgatatcata tgataaaatg 300
 aacaggtcaa tgaaaagaca taagagtatc attgtgagtg ttacattatg catatatgtc 360
 caacaattat aactctanac ttttagacag ctctattggt tgtatagata tatcatgata 420
 agacactagc tactttataa gaactatat 449

<210> 7050
 <211> 229
 <212> DNA
 <213> Glycine max

<400> 7050

agcttgccgc cacggagttt tccgactatg ctcttggtg gtggaacaag ctacaaaagg 60
 agagagcaag aaatgaagag ccaatgggtg atacatggac agagatgaaa aagatcatga 120
 ggaagcggta tgtgccggct agttactcaa gggacttgaa atttaagctc caaaaactaa 180
 cccaaggcaa caaggggggtt gaggagtatt tcaaggaaat ggatgtgct 229

<210> 7051
 <211> 504
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7051

gctgtcacct ctgtntctct acctntcatc acanaccctg gtgggttgagt gacanaaact 60
 tcttcttcta gtgagccatt aagaaatgca gaatttacat ccatttggtg tacttcccag 120
 caattgaagc tagccattgc tattacaagt ttcactgttt ccaacctagc aacaggggca 180

aataacttcat cataaaccag accttgcttt tgcaaaaatc ccttngcaac cagtctggct 240
 ttgaactntg ttactttctc tctaggattc aacttagttn tgtagacca ttntactgct 300
 atggctttct ttctattag tagctttgtg agactccatg tcttgtttct ctcaatagac 360
 ctcaactctt cttccattgc ttcaacccaa tgtgagtgtc tcanagcttc ttccacgcca 420
 ataggttcca tctcagcaag taaggccata tggacaaaagt caccatcaac tgtaatcgag 480
 gaatctggga atatctcata gtca 504

<210> 7052
 <211> 359
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7052

ttctatacta tctccgatcc gaccagacac atgtaagaat tgttgctnta gattatcagc 60
 ttctttctgt tatgacaatg taatattgtt ttatttctta ttacaaaagg gtattgtggc 120
 tcaaagatct gacttaactg ggcttataat gcggcgaaat gaactagcaa gtgatcttct 180
 taaggcatta actntgcaac aactgcctcc aatgttacag gtatgggctt ttccataatt 240
 tatataatgt atttttaaca acttcattgg attgccatta cgagccttca ttntctgatt 300
 gtagagtcct agcatttgca aagggtgtcg ccatcttaat gtgtgtagca tttatcata 359

<210> 7053
 <211> 352
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7053

gcttagctaa acacacctct ctaatagcta agctcacctc cttgagatga gaagctagag 60
 cttatctaca caccnctat aatagctaac tcatcccat gacaaaatac atgaaaataa 120
 aaaaaattct ctactaataa gactactcag aatgtctcga aatacaaggc taanacctta 180
 tactactaga atgacaaaaa tacaacgccc aaacgaagca gaaacctatt ctaatatcta 240
 caaagataag cgggctcata cttagcccat gggctcgaaa tctatcataa ggctcatgag 300
 aaccctaggg ccttccttg gatctctggc ccaatctact tggattcttc ta 352

<210> 7054
 <211> 227
 <212> DNA
 <213> Glycine max

<400> 7054

ttgcttggtta tctcagcaaa agttcgtttc atcagttaga tttcttggtta gttagttaga 60
 attagttctc gagggttaact gattaataaac taccagcgct ttctctttct tctgctactc 120
 tgcaaagata taaatacgta ataaatgcat cagtaaaaag gcatgcagta tttggtcact 180
 ttgcacatga tttacgctta tctttctctc tctatggcac aatacct 227

<210> 7055
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7055

atgcattcta tcagaagcat ngcattgcat tcaaatatgt cttntatgcg ttcaacagca 60
 tccaaaggat agacctacaa tgtcaactgt tggttgatg ttgattagt agagtgccat 120
 tccccaacct aaggaacccg ctttccttat ggacaataac gttntttgtg atgcaggttc 180
 ttcttccatg catcagtttt caaccaattg actaagtact accatgttag agcctcagta 240
 gtggatcatt tacctgcatt ggatctttta agatgggtaa aacttcagcc tcggtgagtc 300
 ggtttgtatt cactatactg tatacatatt tcttcacatg tgttgggttaa gcctagtgc 360
 tttcctttac cattgcattg agcctattca aattcac 397

<210> 7056
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7056

tagaagatct atctatgggc taaaacaagc atgccgcaa tggtatatat agtttcataa 60
 tgtggtctcc anatatggat tggaggaaaa tggtgtaagc caatgcatgt atcttatagt 120
 gtgtgggagt aagtatatat tcttagtcct atatgtatat gatattatac ttgcaagtag 180

tgacttgctg cttctgcatg ataccacaaa tttcctctca caaaactttg atatgaacga 240
 tatgggtgaa gccttctatg tcattagaat agacattcat agagatagat ctctaagaac 300
 atcgagatta tctcaaaagg cttacataga acaagttgtg ataagatata atatgcacaa 360
 ttgtcatcaa ttgctacaac tatagttaaa 390

<210> 7057
 <211> 439
 <212> DNA
 <213> Glycine max.
 <223> unsure at all n locations
 <400> 7057

gctggaacta cttcacatgg acttgatggn gcctatgcta gttgaaagcc ttggaggaaa 60
 gaggtatgcc tatgttggtg tggatgattt ctccagatnt acctgngtca actntatcag 120
 agagaaatca gacacctttg aagtattcaa ggagttgagt ctaagacttc aaagagaaaa 180
 agactgtgtc atcaagagaa tcangagtga ccatggcaga gagtttgaaa acagcaagtt 240
 tactgaattc tgcacatctg aaggcatcac tcatgagttc tctgcagcca ttacaccata 300
 acaaaatggc atagttgaaa ggaanaacag gactntgcaa gaagctgcta gggctcatgct 360
 tcatgccana gaacttcctt ataattctctg ggctgaagcc atgaacacag catgctacat 420
 ccacaacaga gtcacactt 439

<210> 7058
 <211> 361
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7058

gttcttcttc anaactgtcc taagcaaagt tcccttattc ctattaacaa cttccgtttg 60
 cccatcggtt tgtgggtgac aagtgggtga aaataacaat ntagtgcca acttgctcca 120
 caaagtcctc caaaaatggc ttaagaactt agagtcctta tctaatacaa tgctccttgg 180
 caaaccatgg agtctcacia tctcctttga aaacanatca gccacatggg aagcatcatc 240
 aactntttta catggaataa aatgagccat tttagaaaac ctatcaacaa ccacaaaaat 300
 ggaatctcta ccattgcttt gttttggcag ccccaaaaac naatccatgg ataatcaat 360

<210> 7059
 <211> 232
 <212> DNA
 <213> Glycine max

<400> 7059

agcttttgtt ttcaattacg agcgtctcca tatattacgg gcctcaatcc gacatcggag 60
 taaaaagtta ttgtcgtag aatttgctca gagcttctgt tctgaatttt gagagtctcg 120
 atatactacg gaacacaatc ggacatctca gtaaaaagtt attgtcgttt gaatttgctc 180
 agagcttctg ttcttaatta cgagagtctc gatatattac gggattcatt cg 232

<210> 7060
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7060

atcctgtctg gatagaggca atgaatgcan atattaatgc tttatatctt aatgatactn 60
 ngcgtttgac tgatctgcct caacataaga atgttgtaa ttggaaatgg gtgtataaga 120
 taaagaacaa atcatatggg tcagtggaaa tacataaggc aaggtagtg gcctacgact 180
 acacttaagt ggaagggcaa gattacttac acatccttc tacagtggcc aagctaacca 240
 caataagagt tttattggcc ttagtctgta tcgatcagtg gtatcttaag tgattagatg 300
 ctaatgatgt tttcttacat ggtgatttga atgaagaggt gtacattatg cttcctcaag 360
 gtatgtaggt agctaagcct aggcaagtct acaagctgca gaggtcccta tatggactga 420
 aac 423

<210> 7061
 <211> 226
 <212> DNA
 <213> Glycine max

<400> 7061

tttcttattt tcgacagggt gagctttctc aattttaaac caaccatcta ctatgttgtt 60

gtactcagca cgtttaacag cgggtccttc aggtaaacca tccacaatac cccaatcacc 120
 agtaaaaggg atacaagacg gcataactgg aaaaaaacg aacgaaatgc tcaaaggatg 180
 gccttcggcg ataacaacga ctcgtaatgg ggatgaaata attggt 226

<210> 7062
 <211> 222
 <212> DNA
 <213> Glycine max

<400> 7062

agcttaagct ccttcaactg cacaaggctc ttaatatgtg aagagtatcc ttgtggaacc 60
 ttcacccgac aaagacactg acaaaaactt atcttctcct ttttggacaa agtatggcaa 120
 actgggggca agtaaatttt ctcccatca gaccttggat gcaactgtga tcgtatgccc 180
 atatcagcta gatcttgacg ggtattcaag ccacccctcg tc 222

<210> 7063
 <211> 290
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7063

cgatgctctn tctcggcgtc atgcattact ttctatgctt gaaacaaaat tgattggtct 60
 tgaatgttng aaaagcatgt atganaatga tgaaactgtt ggagaaactt ttaaaaatcg 120
 tgaaaaattn tcagaacatg gtttcttttag acatgaaagc ttttctttta aagaaaacaa 180
 attgtgtgtg cctaaatgtt ctactagaaa tttgcttgtt tgtgaagcac atgaaggagg 240
 tttaatggnn gcatttgggg tccaaaagac tctataaaca ttacaagaac 290

<210> 7064
 <211> 241
 <212> DNA
 <213> Glycine max

<400> 7064

tgaaggcatg caagcttggg cttcctgtgt tttgggaccc tctccttcct caggtgtacc 60
 caaacccaat cacctgggtc aagcagcact ttctttctgc ttttgttggc ttgccttgca 120
 tagctcgcat ttttcttttc aatttgaacc ttcacttgct catgcaactt cttcacatac 180

tcagcttttag cctgtgcac cttatgctta aacatagcaa tgtaggcat aggcaacaaa 240
t 241

<210> 7065
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7065

gcctcccatg gaagcacctg atctgagtga ttctgaagca accaaggtnn ttcanaagtc 60
cctagatgag taccttactg ctaagtgcac tatcttggca tcaatgagtt caaaactcca 120
aaggtaacat caagacatgg acccatatga gatcgtaaaa catcttaaga agatgcatgg 180
tggtcaaagc aggacgaact agatttagtt atctaagacc ctgtttagat cctcacttgc 240
tacaaatgan aaggttggac cccatgttct taagatgatt gatctcatag aacaacttga 300
gaaagttggg tgcactcttg ggaaagagct ntctcaagaa ttgattctac aatcactttc 360
tgattcattn tcataattta ttgtgaatnt caacatgaat aagatgagtt gtgactngca 420
tgagatgctt aatct 435

<210> 7066
<211> 227
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7066

tagcttttat atattaanga ataaaattat cgatgcatgt gccatgttat ttttgccttc 60
tcacacgcag ttctgaacct ccttaggggt ttgactaatg tccactttgt tcttcttttt 120
aaattcctat acaaaatggg tcaccattct gttttcaaag tcatgtccac ctttaagtga 180
tgtttccagc aatagcctta tcttgaata gcttatcctt gatcgtt 227

<210> 7067
<211> 262
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 7067

ataacattta acacacaagt ctgattctgg cgcatacat atagagaagc tcagaactga 60
ataacgacag ctatcgatat attcaacggt cataactatt aactcgaaag tctgagntag 120
gcgcatcaca tatagagact ctcaaaatgg aacaacaaaa gctctcgaga aataagaata 180
gtcgtatctt ntaactcgga cgtccaattc atgcgcataa tacatcgaga cgctcgaaat 240
tgaacaacga aagctctgga ga 262

<210> 7068

<211> 225

<212> DNA

<213> Glycine max

<400> 7068

ttgcttttat ctataaatga ataaaataat ctatgcatgt gccatgtcat ctttgccttc 60
tgacacacac ttttgaacct ccttaggggt ttgactaatg tccactttga tcttcttttt 120
aaattcctat acaaaatggg tcaccattct gttttcaaag tcatgtccac cttaaagag 180
tgtttccagc aatagcctta tcttgggaata gcttatcctt gatcg 225

<210> 7069

<211> 384

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7069

cactatntag ccacctttct agtgacaaac taaatcacta cttcatctat tnttctcacc 60
acctgtaatg caagtttgaa taaaatgaaa ttgaatacca tgaattcaat gaaaatttaa 120
atacaaaggt ataaaaatat ttaaacatga aagttaatgt aataaggcat aactatntca 180
tttaattgtg actggctcct gccaaanacc taagcaatgg aacatcttat ctaaaggaaa 240
aaataaaatc atggatgttt tgctcagaca atcaaagcat atttgaagg atcttcaatc 300
aactntgttg tgtactacct tagcatacct taatcttaag tttcatcccg ttataataca 360
atctctgtac ctattgatgc aatc 384

<210> 7070

<211> 388

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7070

tatcttcctt gggataact atatctctat tggctaccgn gtctacaact tgcaaaactaa 60
 ganactcgtc atcagtcgag atgttgaagt tgatgagtac acttcttgga attgggatga 120
 agaanaagtg gagaagaaca ttcttatact cgcccaacta cctcaagaag aagctgagga 180
 agaagatcca ggtgaaccac cttcatctcc accacaacaa caagatcatg aactatcatc 240
 atcagagtct actccaagac gagtaagatc tttgggtggac atatatgaaa cctgtaactt 300
 ggccatactt gaacctggaa gctntgaaga agcgtcaaag caggaagtat gggtaaggc 360
 aatggaagaa gagatacaga tgatcgag 388

<210> 7071
 <211> 436
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7071

cagcttcac agccttgaaa caaaggtaaa agaaactatg gttgaaacta tccaaataaa 60
 cactaaaaga ggtgtgaaag ataaggtaaa aaaactaatt ggtaaaatgc aagctatcta 120
 ngcggttnta ccttatctac tagaatggcc aaaatacaag gcctagacga aggaaaaacc 180
 tattctaata tttaaaaaga taagcgagct cataacttagc ccatgggctc gaaatctacc 240
 ctaagggtca tgagaaccct agggcctttc cttggatctc tagcccaatc tactnggagt 300
 cttctagcca atgcccttgc ggngtaggat tgcattcatc cctccacctt ggaaaggaat 360
 tgacctcaaa tcccgaggtt cttcatactc tngnctcctt cctcaacac ctgtaaaaag 420
 aacaacaaca catgta 436

<210> 7072
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7072

gcttagttac tacttaagta gtgcacgata tgcttctaga ggaaaacact ttgcctatta 60
 gttactatca ngccaagaag atactgtgcc cgatgggtat ggagtatcag aagattcatg 120
 cttgccctaa tgattgcata caatacatgc atgaatttaa agaaatgtcc aaatgcctta 180
 agtgtggngt atcacggtag aaagtgaagg atgatgagga ctgcagttct aatgaaaact 240
 catagaacgg ccctccagag aagggtgttct ggtatcttcc aatcattcca aggtgtaagt 300
 gtctttntgc taatgcagat gatgcanaag accttacctg acatgcaa at gggagaaact 360
 ctgatggaat ggtccatcat ccgactgact gctcccagtg gaagaagatn gatcggttngt 420
 atctggattt c 431

<210> 7073
 <211> 396
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7073

aagatgagca ataagagagg tgatttcaaa agaagaagag ttggtgaaga ttatatcatc 60
 aacatacacc aacacatagg ttntagaggt aggtgtaaat cacatgaaaa gagaagtatc 120
 actcttggct gaattaaatc ccaaggacct catagtcaaa ctgagtntgt gaaaccaaga 180
 cctgnaggcc tgtttcaagc cataaagagc tttgagcagt ttgcatactt tgtgtttgtc 240
 ggatgaaaca nagcttgggtg gttgagtc atatacagtt tcttgaaggct ctccatgcan 300
 aaaggcattg ttgatatcca cttgatgaat aggccaatgt ngagaaacca caaaggacag 360
 aaacagttct aatcgtgctg gcttaatcac tggact 396

<210> 7074
 <211> 233
 <212> DNA
 <213> Glycine max
 <400> 7074

agcttgatag catacatcaa cagtcacttt ctcaggcagc aatcgatcgt ttctgtcacc 60
 caatcccaag tttccatata ggcacagcc ccatccatac aaattcccat ctttagtgat 120
 tgctacacta tgttcagcac cagcagcaac cattttgata ggtatttcct gcaaaaatac 180
 aaagttcatg tctccaagta gtttaaggaa taataatctg tttgatacat ata 233

<210> 7075
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7075

ggtgtaccct tgatcatagt tgtctataga gacctttggt ntacctctag gttntgggag 60
 agtttacaag aagccatata gactaaagtg gaacttagtt catcctatca cctcaaaata 120
 gatagttaaa ccgagagaaac tatctaatacc ttagaagacc ttcttagagc ttgtgcatg 180
 gaacanaaag gtagttggaa cgagtgtnta gccctttag agtttaccta taataataat 240
 ttccatgccg gtacagggat ggcaccattt gaagccctgt ttgggcagaa gtgtaaaaca 300
 ctctttgtgt tgtatgagat agatgaacct cttctgttag gtctcagcgt gttgtgaaag 360
 cacactaagc aagtggaaac cattagagan aagatcaggg tggcatanga tacgccanan 420
 agttactatg acaag 435

<210> 7076
 <211> 320
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7076

gaattacctg aatacacatn tcaatattca tcagagtaaa tcttttaatg catcaacaat 60
 gttatgcaga acttcaattc cttattgtat ctagtgtgac atgtggtgta cctcggcctc 120
 agataaaggc agcatgtagt catcctctgg tacttcttca acaggcaaac gataaagcca 180
 ctaaaaccaa gaatcacatg attaaaattg tgaaagccat actgtgcaca taattcatta 240
 acgttatttt agtagaatac aaccttctgt tcaaaaaata ctacaggaat tggatctcgt 300
 atgcaagata gcaataaccc 320

<210> 7077
 <211> 227
 <212> DNA
 <213> Glycine max

<400> 7077

ttgcttccat tagttgaaga ggcagttgac aacatctccg gtgtaattt tgcccacct 60
 taagaggcca tttgaagtgt attgcgatgc aagcgggcaa ggcttggggt gtgtgttaat 120
 gcaagaggga agagtagtgg cttatgcttc acgccaattg catcctcatg aagttaacta 180
 tccgacccat gatttgaac tggcagctgt ggtctttgcc ttaaaga 227

<210> 7078
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 7078

gtcagcatca gaagtatagt gctacctcac ctgtatgatt gctgcaacct cttcctattc 60
 cggaacaggt ctgggaggat gtatcagttg attctatcac agggttgcct tgttcgagag 120
 gctatgaagc tattctgggt gttgtggaca ggctgaccaa atatagccat tttgttgcac 180
 tgaaacaccc ttatactgcc aagggaattg ttgagatctt cgtaaaggaa gtagtgaggc 240
 tacatggagt tccaaaatct ctcgtgagtg atagagatcc tttatttatg agattgtttt 300
 ggaaggaatt ctttaagtta caggggacaa tgctcaagat gagtacaact taccttccgc 360
 agacggatgg acagaccata gtcacaaata ggtgtcttga aaccta 406

<210> 7079
 <211> 496
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7079

tatcctgatg aggggtgtcc atatgttctc aagactgtac taatacattt gctgcccag 60
 tttcatggtc ttgcatgtga agatcctcat aagcatctta aggagttcca tattgtttgt 120
 tccaccatgn aatcccctga tgtccaagaa gatcatatct ttctaaaggc ttttccttat 180
 tctctggagg gagtggcaaa aaattggctc tactaccttg ctcgcangtc ccatttcagc 240
 tgggatgacc ttaagagggt gttcttggag aaattcttcc ctgcatctag gaccactgcc 300
 atcagaaaag acatttcang catcangcaa cttagtggag agagcttgta tgagtactgn 360
 gaaagattca aaaatgtgtg caacttcctc accccagatt ctgacaactc ttcttaatat 420

tttatgangg actacaacat gagaggagat gattgatctg cagtgggtgga ttgatgaga 480
gatactttca ctccac 496

<210> 7080
<211> 226
<212> DNA
<213> Glycine max

<400> 7080

agcttgtagg gttaaagtct cacgattgtc acgtgctcat gcaacaattg ttagccgtgg 60
ctatacgaga catcatgcca aacaaattca ggtagcaat aactcgcatg tgctttttct 120
tccatgctat atgtagcaaa gtcattgatc cagtcaagtt tgatgagttg gaaaatgagg 180
ccgcaattat tctgtgccag ttagagatgt attttcccc tgcttt 226

<210> 7081
<211> 335
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7081

accgagttng agctngtagc gaatgttgct agaaatngca atntatgggc aagcctataa 60
tataatatac tgcaagcagg gaattttgct tttttgtcta gtttgcttca actcgattnt 120
agggtgtggtg cattttccgt ttgaactata catatcgcan ataaattgac caagactcat 180
tattgtaaag gttntttcac aataattatg gtggagaaaa tgccaattca natagaatgt 240
ccatgattnt gactatngct aacaagtttg acagggaatc aagtcctgtt attgtaatga 300
aatgaacttg cagaaatttg aacctctcaa cagat 335

<210> 7082
<211> 266
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7082

acttcttcaa tgtctatcac tacgaaatca gctggaaaga tcaaattgtt aaccctaacc 60
aaaacgtctt cgaccactcc atatagtctt gtgatggagc gatcagccaa ctggagggtc 120

atacgtgtgg gcattatctc tatctctcnc agtcgccagc acatggagag aggcattaaa 180
tagatactac gctcccagtc aatgagagct ntaccacaaa caacctcgcc aatggaacac 240
ggtatagtga cactctcagg atcttt 266

<210> 7083
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7083

tgtgaagaag atgtgggata ttctggatga tgaggaaactc ttcattattg gcatacatgg 60
aatgtgggga gttggaaaaa cattcatggc agctcatttc acgaatgaga ttataagata 120
ggcgactntc aaggatgtct tctgtgtcac tgtttcccat gatctcacca tattcaaatt 180
gcaacatcac attgcagaaa caatgcaggt taagctctac ggacatgaga tgaccagagc 240
aacaattntg acgtcagaga tggagaacag acagaaaaca ctgcttatnt tggatgatgt 300
ctgggaatat attgatctgc ataatgtggg gagtcctctt acagtgaatg gcattaaatt 360
gatcatcaca actcgcttgt aacatgtgtg gctacagatg gattgcctac cacataatac 420
aataacaata t 431

<210> 7084
<211> 160
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7084

ctcgagagtt tccgacgtct aattncgagc gtctcgatat attatcagcc tgaataggac 60
ctccgtgcga atagttatga ccatatgaat ctctcgagag cttccggtgt tcaatttcga 120
gcgtctctat atgtgatgcg cctcaatcgg acatccgagt 160

<210> 7085
<211> 357
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7085

tatgaatctc cggtaatatc ctgctaagcc cagaaaactc ctaatctcan aaagaaatnt 60
aggactctcc cactcaaaaa cggttcttat ctanagga tctatagcta taacccttg 120
agatatcaca tgccctanga aactaacttt ctctaacc aaactcacact tggacagctt 180
agcatanact ggtegggtccc taagggtatg cagcataatc ctcatgtgtt cttcatgttc 240
ttctctaate ttggagtata ccaaaatate atctatgaat actactacaa aactatcaag 300
ggtaagggtga aagactctat tcatgtagtc cataaacaca cctggagcat attcaca 357

<210> 7086
<211> 394
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7086

catacgtga catttcatnt aattatgntg ttgatcataa tntntcatnt atcanaatcc 60
tttgtagaat agttatttta agacatcaat aatcgattct aactctaaca ccatatgatt 120
actctcatga ataatganta ttcttgcaca ttaacacaca tttntttaat atatnntgtc 180
ttcactactc aggttggtttt acaattctta aatgatacta cctctacctt atgatgttca 240
ngtcagtaca ttaacagtaa atctaaataa tagctatcaa caaataatat atgtgtagta 300
taataatate acttaatttt aatgacataa tatattataa acatattact tgatatctta 360
aagtcttcta tctatatgga tctggaacgt acat 394

<210> 7087
<211> 249
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7087

ctctgatgtt ctatcttagc cttctggcaa agtaaactg catacacaaa ctactaacc 60
tctctcttca tgttgngcca ccanaacatc acctcanat cctgatacat cttggtagca 120
ccagaatgta tgcttaagtt attcctatgt ctttctcta ggatcatctt cctaagctcg 180
ggcacattgt gaacacaaat cctatcttta agtctcaaga ctccatccga tccaacattt 240
gaactacta 249

<210> 7088
 <211> 430
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7088

tcttctaacc tctntgacca ggccgctggt gagagtcaaa gcttcataat aatctntact 60
 ntccatcaga agtgctgcaa gccttgcttc aactcgctgc ctgagaaagg tacgctnttc 120
 agcacgagtc cattgcatca tttctttgca tagtgtaatt tgtagatcag aagtccttgg 180
 tattttgcaa cagtatcaat tatgcccctc actatcnttg cagtttttgc ctttaagaat 240
 caaggaaaag ataggcctca actgtgtaag aaagctgtgc aaatcctctg ccctattctg 300
 ttccctgaga tgctcagtga ggttngtgat ggctgctct ttcattgcca gagcatctgg 360
 agaagaagaa agatcatcaa gtacctgant aagaatggag atggactcag acgggtcttt 420
 ggctcactg 430

<210> 7089
 <211> 415
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7089

cttcatctcg ctctctgttc tctccattga accacatttt ctgagcactt tttgagaggt 60
 gctgccaatg tgctaaaatc cttcacanat cgtctataag aactngctaa gccatgaaaa 120
 ctctcacct cggtcacaga cttaggtgta ggccattctt gaatagccct aaccttctcc 180
 tcatcaactt gcactccttt tgaactcaca acaaaaccaa gaaacacaac atgtgtagta 240
 caaaagatgc cattttcaag aatggcatatc aattgttctt ttctaagcac agtcaagaca 300
 gatttanatg atcaatatgc aaatcaagtg aagtgtata gataagaata tcatcaaagt 360
 acaccacaac anactntcct atgaactctc tcaagatatg gttcattaat ctcat 415

<210> 7090
 <211> 369
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 7090

tactggtaat gtgtctacta tcattatcat ntnttcttcg tcattgaggt gccacttgag 60
ttgccaggtc tctccacctt tgggcgtatt ctttgaaaga gctgtgcccc ttattgcgca 120
tgttctattg atgcatacta tccggaacca tatcanacat gtactgatag tgcctaata 180
aggcaacat tatgtccttt caagaatgga ctcgagaagg ttccacgtaa gtgtaccagg 240
taacagctac cncagtaaga atttcttaga acgaatgtat catgagttcc tcattctttg 300
cgcatgcccc catcttttcg taatacatct ttagatggat cttgggcaag tagtcacctt 360
gtacttgct 369

<210> 7091
<211> 339
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7091

tgatcttctt catcaatgga ttccttgctt cnttgaatat gaatgacagt ggaatggaga 60
aggaagagag agaggagatg ccacttcaag gagaagatga gtctataaga agctcaccac 120
catatgaggg catggataag agcttgaggg aagaaggaga tgaatgaagg gagaggaaga 180
gaagagcaca naattntgta ctctataagc gctatgaaat ctgatgttta attttcanat 240
gatcaaagtt gaaaaaatgc acacacaaga cttctattta tagcctaagt gtcacacana 300
attggaagga nnaattgaatn tctatttcaa atttacttg 339

<210> 7092
<211> 241
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7092

tttgttcaca ttcacattac tcattnttgg tgtgtgagtn tctggagatg ggcgacgtca 60
agaatattnt gaaggatgat gaacaagcaa ttgcgtttga ttggaataaa aggggtggatg 120
ttgttaatgg tgtagcaaat gctatatgct atatgcatca tgattgctca cctncaatcg 180

ttcatcgtga tatatcaagc aagaatgttc ttttggattc cgaatatgta gctcatgtct 240

c 241

<210> 7093

<211> 248

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7093

tatcatctgc aaaagccaca tgagatagtn gaatacctgc acacgtggga tgaaaattan 60

naatggcatc atccttgagg ctgctcatat cnttggaaaa gtactccaaa caaagcacia 120

acaaataaag ggagagagga tccccttgtc taagacccca ctgtcctttt gaagtgccat 180

aaatggatcc attgactgcc aactaaagg aagtggaga aacacattcc atgatccang 240

tacaaaac 248

<210> 7094

<211> 331

<212> DNA

<213> Glycine max

<400> 7094

ttctccttga tatgcatcct gctgattcaa acattttggg attaagtcca ctaatatattt 60

aatgctcaat cagtattttt gcaactatat cgaaaaaact aacatagaaa gtattaaaat 120

ataaatatgt cctcatcatt acataaatta tataagataa aaataacgga aaaataaact 180

aatctcatat tttaaactaa taaacaaaaa gcaaataaac tatatatattt ttaaaatattc 240

aatgaggtat ggaattttat gcgaaaaaaa tattcattat actaaaacaa tggagtaaga 300

aatttaaata tactaactac aagttaatat t 331

<210> 7095

<211> 357

<212> DNA

<213> Glycine max

<400> 7095

agcttcaaga attatggcct catcaaacta cttgtttccc gagggaaatt ctataaatag 60

acctcccatc tttaatggag tgggttacca ctactggaaa acccgcatgc aaatctttat 120

agaggcaata gatttaaata tttgggaagc catagaacaa ggaccttatg ttcctctat 180
aatagccgga agtccaacaa tagaaaaacc tagagcagat tggactgagg aagaaagaag 240
attagtacaa tataatttaa aggccaaaaa tattattaca tctgccttag gaatagatga 300
atactttagg gtttcaaatt gtaaaagtgc taaggatatg tgggatacac tacaagt 357

<210> 7096
<211> 410
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7096

gcttggcact tcanaacctt ctggttgtgt catataaatg tctttctcta aatccccatg 60
ctagaatgaa attttaacat ctaattgctc caagtgaaga ttctctgtag ctgcaatact 120
cagaataact ctgatggtag ttatctttac aactagagag aagatctcta tgaaatcaat 180
tccttgtttc tgctaaaacc ctttcaccac aagtctcgcc ttgtatcttc ttctatcggt 240
agattcttcc tttagcctat agaccactt attctgtana gctttctttc cttcttgcaa 300
tttaattaaa gaccacgtat tattcttctg aagggatgct atctcatctt tcattgctag 360
ctccactca atagagtcat tcccctgcat agcctcactg aaacattctg 410

<210> 7097
<211> 404
<212> DNA
<213> Glycine max
<400> 7097

gatctgcctc tatatcctca acaatcccat cctccctcca gataatgagt ttctggtgga 60
gaatagatgg cacagcccca actccatgga tccattccct tcctaatagc aagttaaaat 120
tagccttgga ctgtatcacc aggaataaag ttggtcgaac tatactgcct acagcaacat 180
ctacttgaat ggctcccaaa gaatagccag ttttgccctc ataattagag agcacaatgt 240
tgtgggcaga tagatcagtg tcatgtttcc cgatcttgta gagcatagat cgaggcatta 300
agttgacagc cgctccctcca tctatgagca ctttggtgat tccaacattc tcaacttttg 360
ccctgatgaa aagaggttta agatgacttt tcatctgaaa atct 404

<210> 7098
 <211> 498
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7098

actaagcttg cttctcaatc tccnnccttt tgatgatgat aaacctgaaa tcaagaaacg 60
 catacaagct ctatctttta atcaatcact cactcaattc tcccccttta tttttgagtt 120
 taagcttcac ttgaagttaa gttatttaat tatatgagtt cttgatttaa tcccaatttt 180
 ctctccccctt ttggcatcaa caaaaagcca aagtgcgtat agagacataa aatcatacac 240
 aaactcataa tcatccaagc attttaatcc atacaacaag caaggaggac attaattcat 300
 acataaacta agcaaggaag ataataattc atccattaat cataataaaa tgtcagataa 360
 ttagaaagtc atccaagata accaaattta aacaactaat ttagaaagta atataactaat 420
 aagtgtatca nataagtcac aagacatcaa aacataaaac aaatcatttg gttaagtcac 480
 tagaacagag tcaccttt 498

<210> 7099
 <211> 347
 <212> DNA
 <213> Glycine max

<400> 7099

agcttatgct gcaaataattt acaatagacc tcttcaacct cagcagcaaa atcaaccact 60
 gtagaacaat tatgatctct ccagcaacag atacaaccct ggatggaaga atcacccctaa 120
 tctcagatgg tctagccctc aaaagcaaca acaacagcct gctccttctt tccaaaatgt 180
 tgttggccca agcagaccat acattcctcc accaatccaa caacagcaac agcccctgaa 240
 acagccaaca gttgaggctc ctccgcaacc ttccctcgaa gaacttgatga ggcaaatgac 300
 catgcagaac atgcagtttc aacaagagac cagagcctcc atttaga 347

<210> 7100
 <211> 353
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 7100

gcttaacatc agaccacttc cgggtgctgg aactacttca catggacttg atggggccta 60
tgcaagttga aagccttgga ggaaaaaggt atgcctatgt tgttgtggat gatttctcca 120
gatttacctg ngtcaacttt atcagagaga aatcggacac ctttgaagta ttcaaggagt 180
tgagtctaag acttcaaaga gaaaaagact gtgtcatcaa gagaatcagg agtgaccatg 240
gcagagagtt tgaaaacagc aagtttactg aattctgcac atctgaaggc atcactcatg 300
agttctctgc agccattaca ccacaacaaa atggcatagt tgaaaggaaa aat 353

<210> 7101

<211> 340

<212> DNA

<213> Glycine max

<400> 7101

agctttttgag aaattcaa at ggtctgaact tttcactcgg agctctgatt caggcacatc 60
acatatagag acgctcaaaa ttgaacaacg gaagctctcg agatattcaa atggtcataa 120
cttttaactc ggagggtccga ttcaggcgca taatatatcg agacgctcgt aattgaacaa 180
cggaagctct cgagaaattc aaatgggtcat aacttttcac tcggagggtcc gattcagacg 240
cataatatat ctagacgctc gaaattgagc aacgaaagct ctcgagaaat tcaaatggtc 300
ataacttgct actcggagggt ccgattcagg tgcataatat 340

<210> 7102

<211> 204

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7102

nttcaccact ttctcaattc catccttgat cctcttgaga ctcttatgag tcctcttcca 60
acttttctag tggttcttcc agtttatggg tggccctgat agaatccaat acccactatg 120
atgtagaact cgatcaactt cattcaaata aatccctctt gccaatcacc atttcaaac 180
cagaaacaaa attagtcata caca 204

<210> 7103

<211> 335

<212> DNA
<213> Glycine max

<400> 7103

agcttccatg caactccaaa gtattggtgg tgaattgtga aagtataaaa cagtaattat 60
gagaaaaaca tgagaagggtt aggcagtgat tttctacttc aatcaaaaaga tcaaaataac 120
tagagaaaaga aacagatttg aggattacga accaagaaag aggtgaagac ggcaaagaaa 180
gcacccaaaac caagaatgac agagtaacca acaccctgat taagcactgg tttgccttca 240
aagaaactgg tctgcctcac acacacacct ccattttcag acacatgata gtacttgcta 300
gaaaattcaa atggtggaca ctctactaat gcaga 335

<210> 7104

<211> 317

<212> DNA

<213> Glycine max

<400> 7104

cggcgatggt ggtcttgcaa ggacttacta gcatggaatt aatcttcaga caacgaatgt 60
tgtgggaaca ctaggggtaca tggcccctga gctcaciaag actgggaaag caagaacaag 120
cacagatgta tatgggtacg gcatactcat tctggaggta gcatgtggaa agaagccaat 180
agagccacag aaaaatcccg aggaactggt attggtagac tgggttagag aactacatca 240
ccaagggaaa atcatcaggg ctattgaccc caagatagat gagtatgaca aagatgaagc 300
tcggcttgtg cttagtc 317

<210> 7105

<211> 353

<212> DNA

<213> Glycine max

<400> 7105

agcttaataa gtccatctat ggattgaaac aagcttcccg ccaatggtat ttaaaatttc 60
atgagggtcat ttcttcattc agctttgaag agaatgtcat ggatcactgt atataccaga 120
aggtcagtgg gagtaagatt tgtttccttg tattatacgt agatgatatt ctgcttgcca 180
ctaataataa gggtagtcta tatgagggtga aacaatttct ctcaaagaac tttgatatga 240
aggatatggg agaggcatct tatgtcatag gcataaagat ccatagagaa agatctcgag 300

gcatttttagg cttgtctcaa gaaacctata tcaacaaagt tttagagaga ttt

353

<210> 7106
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7106

tccatcaact atggagtagt taacatcggt tntggaaaaa ccgatgtag tatcttggtg 60
ttaacatcgg ttntggaaaa accgatgtta tcgaattgat gttaacatag gttttaagaa 120
aaccaatggt acctagttga tgtaacatc gggtattctt aanaaaccca tgttggtatc 180
attatatatt aaaaatatga aattgcacaa cccacgcgt tgaacctgt cgttcttctt 240
ctttctcctt ctgcctgagt tcgtctttgt tgcaaacagg cctgtgcttc cgtgactgca 300
accacattgt ggagttcgtc tctgtcactt atcgattgag gtacgtcctt tcattttaac 360
attaggcatt cctcgtttta acatctgctc attntcgtn gtcgaagaan acaaggaaaag 420
aaaagtgtcc cggaaagggt gggagt 446

<210> 7107
<211> 346
<212> DNA
<213> Glycine max

<400> 7107

agcttgtgga tggtagacaa tcccagagga cttttgtgta tattaaggat gctattgaag 60
ttgtcttatt gatgattgta ggttcccata tccaatcttt ttatacaact ttatatattt 120
taagttctga ttttctgatt gtagaatttc atctttaaac tattactctt gttggatggt 180
tcaactaaat gtgaacgata atttttaaca ggaaaatccc gccagggccca atggacatat 240
ttttaatgtg ggaaacccaa acaatgaggt tatagttagg cagcttgctg aaatgatgac 300
tcaggttaga ggattaagtt tgattgtttg atcctattag aatttc 346

<210> 7108
<211> 347
<212> DNA
<213> Glycine max

<400> 7108

agcttggatt tccttttagt agggaaatcta tccttcctaa gatggagcca aaccagtc 60
ccctcattaa gaactagctc ttttcttctt ctattgcctt tagttgaata tacctttggt 120
tggttctcta tttggttctt aaccctctca tgcaacttct ttacaaatcc tgacctagat 180
tcccccttctt tatgtataaa agaagtgtct agtgggaggg gaatgaggtc taatggtggt 240
aggggattga acccatagac aacctcaaaa ggggactgct tgggtggttct gtgaaccct 300
ctgtttagg caaattctac atgaggaaga tactcatccc aagactt 347

<210> 7109

<211> 414

<212> DNA

<213> Glycine max

<400> 7109

taaacattca atttcgagcg tctcgttata ttacgggact caatcataca tccgagtaaa 60
aagttattgt cgtttgaatt ggctcgtagg ttcaacattc aatttcaagc gtctcgatat 120
attaccggac tcaatcagac atctgagtaa aaagttatta tcgtttgaat tggctcatag 180
gttcaacatt caacttcgaa cgtctcgata tattacggga ctcaatcaga catccgagta 240
aaaagttatt gtcgtttgaa ttggctcata gggtaacat tcaatttcga gcgtctcgat 300
atattacggg actcaatcag acatccgagt aaaaagttat tgcgtttga attggctctg 360
agttcaaca ttcaatttcg agcgtctcga tatattacgg gactcaatca gaca 414

<210> 7110

<211> 338

<212> DNA

<213> Glycine max

<400> 7110

agctttaagc caattcatat gacaataact ttttactcgg atgtctgatt gagtcccgt 60
atatatcgag acgcacaaag ttgaatgttt aagctttaag ccaattcata cgacaataac 120
tttttactcg gatgtctgat tgagtcccgat aatataacga aacgctcgaa attgaatggt 180
gaacctttga gcccaattcta acgataataa ctttttactc ggatgtccga ttgagtctcg 240
taatatatcg acacgctcga aattgaatgt tgaagctcta agcctattca aacgacaata 300

<210> 7111
 <211> 361
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7111

ctataatant gttatattaa tatacatata tgtgatttct aattattcat attctttcaa 60
 cattatagag agtaatatcc caaaaaatgc tatgccttta ggtttatata cgaagaacct 120
 tcatattagt tatatttatg tcaaaacata ttcaaggtag atattatggt gatcaatggt 180
 ttatttntct attaaaattt atactatngt ttactaatt tataaaaatg gaaaataaaa 240
 aatatacatt taatatttta aaatacaaaa atactntaat agtagtacct tttatttagt 300
 aaatataaaa ttaattgana aattaagagt attctcctaa tnttatgata tactatatgg 360
 g 361

<210> 7112
 <211> 353
 <212> DNA
 <213> Glycine max
 <400> 7112

agcttatgct acaaacatct acaatagacc tcctcaacct cagcaataaa atcagccaca 60
 acaaaacaat tacgacctct gcagcaacag gtataatccc aggtggagga atcgccccaa 120
 ccttagatgg tcgaatcctt cacaatagca gcaacaacct tattttcaga atgctgctgg 180
 cccaagcaga tcatatgttc ctccaccaat ccaacaacaa cagcaacagc cccagaaact 240
 gaaaacagtt gaggtcctc cgcaagcttc ccttgaagaa cttgtgagac aaatgactat 300
 gcaaaacatg cagtttcaac aagagaccag agcctccatt catagcttaa cta 353

<210> 7113
 <211> 401
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7113

ggcattgaag cattcaacct cagccttggt gaatgtctgt ctcccccttc ctctgcctct 60
 aaaagacct atacttctcc ctcttccttt acctcttcca cttttctcat cagccaccat 120
 ctgcatgacc tgctctcttt ctgctggaaa catcattctc tgctcgtgaa ccaatagact 180
 actttgcagt tcgtctgttg tcatagtatc cctgttggtg gattcttcaa tggagcacac 240
 catgtagtta aacttcgtct tcatagatcg cataatTTTT gcagttatga cactctcttg 300
 catatTTTct ccatatgctt tcatactttt ggcaattntc aacgtccgag caaagtatga 360
 atccactgac tcttctctct tcatttgcag catctcaaag t 401

<210> 7114
 <211> 340
 <212> DNA
 <213> Glycine max

<400> 7114
 agcttttcag gtaagcttgc cccacccgtt tccactgagc attctacatt tgtttaatct 60
 taaggtagca agatTTTcta gaaatccaat ggattttggc aattccctga tatttccatt 120
 gaccatgttc agttagtagaa gaaatgctag gtatccagta gattctagta aatattcaag 180
 atttatgcaa ttcattcatc caatTTTcct caataatttc gtctctccaa tctcatttgg 240
 caaatttgtg atggttgttc catctaactg aattcaatgt ttttaattgaa ttttccaatt 300
 tgctgatcca actgataact cctcatgta atataaagaa 340

<210> 7115
 <211> 343
 <212> DNA
 <213> Glycine max

<400> 7115
 agcttgcata ataagaaatc ctgagacaat ctcaaaccct gatggatcag tttcagatcc 60
 atggagccaa tgcacagtgg aacagggtga gtcactgaaa tctatgctca gaatccttcc 120
 tatgtggtcc actggcatct ttatgattac tgcttcccaa acctcattct ctatcatcca 180
 agctaataca atggaccgaa ggttatttgg caatttcgag atgcttgcag gatcctttag 240
 tcttatcagt gtaatcacc taacaataat cattcccaca tatgagcgcg taatggtacc 300
 tctactagca aaatacacag gcttgcctag aggattcagt tgc 343

<210> 7116
 <211> 343
 <212> DNA
 <213> Glycine max

<400> 7116

agctttttatt tgccatgtat ttataaacat ggattctctc ttgaccttta ctgcaacatc 60
 caagaagtcg aaccagattc ttgtgatgaa cattacttat aagcttgact tcactttcaa 120
 attgttcac cactttcccg gattggccta agattaattt ttgactgca actaatttcc 180
 catttttcaa agtggcctgg tccaacaaat ggggcttaag aatataccaa ttttaaaaag 240
 tggtttatct ttgtctcaag aagaatagct caattaaatt tggcccgggc ttaccttaac 300
 ctggttcaaa ttatggttgg tttttaacct ggacttccat taa 343

<210> 7117
 <211> 346
 <212> DNA
 <213> Glycine max

<400> 7117

agctttttacc tctcatttta acccttagaa ctttttggtc agcaatgtca tagataaggc 60
 agtgttgata tgcaaaggac aatttaaadc ctttttcaag caactgacct acacttagca 120
 agtttttggtc aatttcaggt acataaagaa catctgagat aagttttgca cctgaaattg 180
 ttgcaatcaa tatagttcct tttccttttg cttgaatata atcaccattc ccaatcttga 240
 tatttaagac atcaataggc ttcaaatcct tgaaagcaga cttgtcatat gtcatgcat 300
 ttgtacaacc gctatcaatc aaccaacact ctgaactact cctcat 346

<210> 7118
 <211> 335
 <212> DNA
 <213> Glycine max

<400> 7118

agcttcaacc aaggggagat ggaccatttc aagtgcttga aagaatcaat gacaatgctt 60
 acaaagttga gctgcccggg gagtataatg ttagttccac cttcaatgtc tcagacttat 120
 ctctttttga tgcagatgga gaatccgatt tgaggacaaa tccttctcaa gagggagaga 180

atgatgagga catgaccaag aacaagggca aggatccact tgaaggactt ggaggaccta 240
 tgacaagggc tagaacaagg aaagccaagg aagctcttca acaagtgttg tccatactat 300
 ttgaatacaa acccaagttt caaggagaaa agtcc 335

<210> 7119
 <211> 367
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7119

tgtccataan anatagggtt ttgaagtttg tcatttcaat ttctcactaa gtaaaatgga 60
 tcatttttaa ggtccaacac cttaaaatga tcaccactta agtaaaaaag aatcatttga 120
 taagcaagaa ctacgtaggt ctgatttcct catcgcaatt gaggatacgt aggagcaaaa 180
 gccccgcttt tgtcgaccac cccaagagat cgtaaatggt ccaatgcctt aacgtttctc 240
 tcctttcaaa aacaagagat cgtaaatggt ccaatgcctt aacgtttctc tcctttcaaa 300
 aacaagagat cgtaaatggt ccaatgcctt aacgtttctc tcctttcana aacaagagat 360
 ctttaat 367

<210> 7120
 <211> 334
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7120

agcttgaggg aagtaaggaa atgaattaag ggggaggaag agaanagcac gaaattttgt 60
 gctctaaaag agctctgaaa tctaaagttt aattttcaaa tgatcaaagt tgaaaaaatg 120
 cacacacatg acctctatit atagcctaag tgtcacacaa aatttcacat gaatttgaaa 180
 ttgaatttgt ggagccaaaa tttggagcca aaatttcact aattatgatt agtgaatttc 240
 agttatgggt cataccacta atccaagatc aattccaaga ttctccacta agtgtgctta 300
 ggtgtcatga gacatgtaaa gcatgaagga catg 334

<210> 7121
 <211> 367
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7121

ggagtnttcc gactatgctc ttgtgtggtg gaacaagcta caaaaggaga gagcaagaaa 60
tgaagagcca atggttgata catgggtgga gatgaaaagg atcatgacaa agcgggatgt 120
gccggctagt tactcaagggt atttgaaatt caagcgccaa aaactaacc c aaggcaacaa 180
gggggttgag gagtatttca aggaaatggt gtgctcatga ttcaagcaaa gattgaagaa 240
gatgaggagg taactatggc tcgatttctt aatgggttga ctaatgatat ccgtgatatt 300
gttgagctgc acgagtttgt tgaaatggat gatttgcttc acaaagcaat ccaagtagag 360
caacaat 367

<210> 7122

<211> 307

<212> DNA

<213> Glycine max

<400> 7122

tcaacctaga ggagacggac cattccaagt gttggagaag atcaacgaca atgcctacaa 60
gaatgacttg cctagtgagt ataatgtaag tgccactttc aatgtgtctg agctatctct 120
ttttgatgca gatggagggg ccttggattt aggacaaatc cttttcaaga agaagggagt 180
gatgaggaca taaccaagggt caaggaccat gaagcacttg aagggccag accagatgca 240
gacttaaaca agcccaacac gtcatagaga caaggctggt catttgtata gctgccattg 300
atgatga 307

<210> 7123

<211> 352

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7123

tcttatacta atgtcacgag gaatgtggta gttagattca taaataatga gtngatttgt 60
cgatacggac tccccaggaa gatcattact gacaatggca ccaatctgaa caataagatg 120
atgcatgaga tgtgcgaagg cttcaagatc cagcatcaca actctacccc ttatcggcca 180

aagatgaatg gngctgtaga ggctgtgaat aagaatatta agaagattgt tcaaaaaatg 240
 acagtgtcat acaaagattg gcatgagatg ttgcctttcg ccctgcacgg atatagaacc 300
 tcggtacgaa cttctactgg ggcaacaccg tattccttag tttatgggat gg 352

<210> 7124
 <211> 334
 <212> DNA
 <213> Glycine max

<400> 7124

agctttgatt tcctttgttc cggaacacct tcttttctca tgtgcaccca aaccaatct 60
 ccgggttcga agacaacctt ctttctccct ttgttggtt gtttagcata gcttttattt 120
 ttctcttaa tttgatcttt gactctctca tgaagcttct tcacatagtc cgcttttgct 180
 tgaccttctt tatgcttaaa aacagaaaca ttaggcatag gcaaaagatc aagaggagtt 240
 agtgggttaa aaccataaac agcttcaaaa ggagaacaat tagtggtgct atgaacagct 300
 ctattgtaag caaattcaac atgggggtaaa caag 334

<210> 7125
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7125

ngaccacgat cagttggagg ctcatgtcag acgccccag ggtgacgagc actctgctca 60
 tacattactc tgagtgcacc tgatcagtag ttctgttggc ccggtcaata gaactttcag 120
 agttcaatat cagtataaac ccctagcccc ataaagacac aattcatgga agacattctg 180
 gtagaatttg ttgggaatga ccaaaccacc acagactggt ggaaccttta tgttgacggc 240
 gcgtccaaca tgaagggaag tagggtatga atcatcctcg aaggacttga taatgtaacc 300
 ctagagcagg ccatcaagct caacttcaaa gcctcaaaca atcaggctaa gtacgagggg 360
 ct cattgcaa gtctaaaact agcaagagaa gtcgngcca agaagctatg atgctacata 420
 gactcgta 428

<210> 7126
 <211> 320

<212> DNA
<213> Glycine max

<400> 7126

agcttccaag attcataatc tctagcagaa attaagtgat ttggagaatc aagctttctca 60
tagacttcta tctgatagtg aagttataac caagagagct ttgcaacaag agctgtggga 120
tatttcaaat gcttatgaat ccttggtgag gcaaaaatct agggctaagt ggatcaagga 180
gggtgacaga aatacagctt acttccacag ggtgataaat ttcagaagaa gctcaaatgc 240
agttcatggt attctcattg atggtacttg ggtccagcag cctgaccttg ttaagaatgc 300
agtggttaat ttctttcttg 320

<210> 7127
<211> 345
<212> DNA
<213> Glycine max

<400> 7127

agcttggagc catgcattgt gattgcttag tgcaattcgc catcctcaac cctttttcgg 60
agcccatga atggcggtttt cgttcatgcg tcttcaccc acgagtttgg agccatgcat 120
agtgattgct tagtgcaatt ctccatcctc aacccttttt tggagcccca tgaattgcat 180
tttcgttcat gcgtcctcca ccaggagct tggagccatg cgtagtgatt gcttagtgca 240
attctccatc ctcaaccctt tttcggagcc ccatgaatgg cgttttcgtt catgcgtcct 300
tcaccacga gtttggagcc gtttgtagt attgcttagt gcaat 345

<210> 7128
<211> 344
<212> DNA
<213> Glycine max

<400> 7128

agcttaagct ccttcaactg cacaaggctc ttaatatattg aagagtatcc ttgtggaacc 60
tttaccgat gaagacactg acaaaaactt atcttctcct tcttggacaa agtatggcag 120
gctgggggca agtaaatttt ctcccatga gaccttggat gcaattgtga tcgtataccc 180
atatcagcta gatcttgacg ggtattcaag ccaccttcg tcttgcctta aatgttaagg 240
agcgtcccaa tcacactatc acaaacattt ttctccacat gcataacatc aatacaatgt 300

ctaacgtcaa gatcagacca gtacgaaaga tcaaagaaaa tgga

344

<210> 7129
<211> 268
<212> DNA
<213> Glycine max

<400> 7129

cgtcaaacct gaagatttct tcctacatgt ggaacccggg aacctgaca acccaaataa 60
tgcacaactt actcctgtgt ctgttgatca acttcagggt cttaacacgc ttggcatatc 120
tttggctcgc atagattctg caccaaagggt tataaacctt tcccacactc acccttgagc 180
ctcggaaatc cttatagtcc ttgacgggtac tctctatgtt ggatttgtca ctcccaatca 240
agacggaaat cgtctcttta ccaaagtg 268

<210> 7130
<211> 291
<212> DNA
<213> Glycine max

<400> 7130

agcttcatga gagagtcaaa ttttaaattg ttaggaaaaa tattagctat gctaaacaag 60
ccaacaaagg gagaaagaag gttgtcttcg aaccagaga ttgggtttgg gtgcacatga 120
gaaaagaaag gtttccagaa caaaggaaat caaagcttca accaagggga gatggaccat 180
ttcaagtgtc tgaaagaatc aatgacaatg cttacaaagt tgagctgccc ggtgagtata 240
atgttagttc caccttcaat gtctctgatt tatctctttt ttgatgcaga t 291

<210> 7131
<211> 348
<212> DNA
<213> Glycine max

<400> 7131

agcttttgata ttggtaagta ttgcctcaa attttctatt atatttcttg tttctgaagt 60
acgttttttc tactaacat ctctttttat aacattaatc tctttaatcc tctcatttgt 120
actaattact ttatcttaca ttttcttcc ttttctatta aaaaagttgc ccgattttga 180
tatataaatg caatttctct tttcatttta ccaaacttta tataaagata ttttatttga 240

ttcaccagga catatttgct gctggaactg atacttcagc atcaacacta gagtgggcta 300
 tggcagaaat gatgagaaat ccaagagtga gggagaaagc acaagctg 348

<210> 7132
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7132

gagctgcatg catgcaagct ngagctttta taggattttg gacttaccat caacatcaag 60
 accaaccatc aaaattcgca tttccttctt cgcgaaaagt cggctgaaaa gctttgtgaa 120
 tgtcagcccc atttctcctt caactagtgg atccctaatt tcacaattca aacaactttt 180
 caattaaaaa aaatctccaa aacgaaatag agcttcttat aaaattactt gtgcaaata 240
 ggcttg 246

<210> 7133
 <211> 323
 <212> DNA
 <213> Glycine max
 <400> 7133

agcttcaaga attatggcct ctacaaacta cttttttccc gagggaaatt ctataaatag 60
 acctcccatc tttaatggag tgggttacca ctactggaaa acccgcatgc aaatctttat 120
 agaggcaata gatttaaata tttgggaagc catagaacaa ggaccttatg ttcctctat 180
 aatagccgga agtgcaacaa tagaaaaacc tagagcagat tggactgagg aagaaagaag 240
 attagtacaa tataatttaa aggccaaaaa tattattaca tctgccttat gaatagatga 300
 atactttaag ggtttcaaat tgt 323

<210> 7134
 <211> 202
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7134

agctnaaaat ttagtctagt tttgnnaaa acataagcac ttagacaatg aaggaaagct 60

ggagttgctg cacatgatgt ccaacgttat gtcaaagaat aagatcgggc tgcacaatgc 120
acaaggcaag atgaaatgtc aaatgaagaa ttgaagctgt acgattcacg atgttcgata 180
caatgtccag gacattcctc tt 202

<210> 7135
<211> 353
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7135

agctttatgt ctctttgnat atcccttttt acttttggga tctttccaat atcttctagc 60
atcaagtcaa gacaatgtgc agcacatgga gtccaaaata tttttggtct cgtgacttgt 120
aaaattttac ctaaaaagat caaaatcaat aaacttgtat gagtagtgta acaattaaaa 180
gttataacta taaaaaaaaa acttcattaa gcatgattga attctcatcc gccaacacat 240
aattacttcc attgtccgtc accacttgaa taacattctt ttctccaatc tcctcaacaa 300
agctatccat aagctcagag atctttcgac cagtcttcat gtgttcaaaa gca 353

<210> 7136
<211> 355
<212> DNA
<213> Glycine max
<400> 7136

agcttgccaa cccatggaag ttctactat ctcccacact ttttgggatg ggccattctt 60
ggatggcctt gattatctca aggaccactt ggacccatt tatgccaact acaaacccta 120
caaaaactat attatctaca caaaaagtac acttctctat atttgcatag atgggtgtgt 180
tcttaaagac tgaaagaact tgctgagat gttctaagag ataatctatg ctctactgt 240
aactaaaat atcatcaaaa taaacaacta caaatctact ctcgtaactc cgtaatacat 300
tatgcataca cctcataaag gtgcttgggc attagtgaac ccaaaatgca tcact 355

<210> 7137
<211> 367
<212> DNA
<213> Glycine max

<400> 7137

agcttgccaa cccatggaag tttctaatat ctcccacact ttttgggatg ggccattctt 60
ggatggcctt gattttctca ggggtccactt ggacccatt tctgccaact acaaacccta 120
agaaaactat attatctaca caaaaagtac acttctctat atttgcatag aggggtgtttt 180
tcctaaggac tgaaagaact tgcctgagat gtcctaagtg ataacttagg ctctactgt 240
acactaaaat atcatcaaaa taaacaacta caaatctacc tatgaaatcc ctttaagacat 300
tatgcataag cctcataaag gtgcttgggtg cattagttag cccaaaaggc atcactagcc 360
attcata 367

<210> 7138

<211> 358

<212> DNA

<213> Glycine max

<400> 7138

agctttttct ctgtacacct tctttcctat acttgaaaaa ctttttctgt atacacacac 60
attaaaaact ctttctcttt atatcaacat ggtctatata aaacctctat tccttttcaa 120
agatttcttc ttcctttttc aacatacact cattgtttat acaaaaattt tctttatata 180
cactcattgc tcacacacaa gaatttcttt tcacacatta tttatacaca caaaatcttt 240
tcatacactt tttatataca aaaactcttt tcttttcttc atatacagat atgacatttt 300
gttcacaacg cctctttttt ttctaacttt ggaatatcaa gaggttgtca ttttatatt 358

<210> 7139

<211> 285

<212> DNA

<213> Glycine max

<400> 7139

agcttttgat tacaggttat ctctggcatc gcacttcttg ttggatccga caaactttat 60
tctggcagca ctgatgggac agttaggata tgggactgcc atactgggtca atgtgctaaa 120
gtcatcaatc ttgggtgctga ggctacctct ttgatcagtg aggggtcatg gatttttggt 180
ggctctgcaa atgctgtcaa ggtaagctct tatctgtcat tgctttgttt tgatgtatga 240
taatgtctaa tcataggagt agtacatgca aactgattat gtggc 285

<210> 7140
 <211> 389
 <212> DNA
 <213> Glycine max

<400> 7140

ctatctctga tctcgttatg ctactcatgg agtactgcaa acgctgatta tattatatat 60
 taaatattaa ggatgttctt aatatttgaa atcagtatat catatagtta tttatcatat 120
 gcaatagggt caaattagat agtctatgaa tagtgtaaat aacaacttac agtactgctg 180
 acttaatata tattttaata atttatatca tgcttacctt attgttatct aatgcattct 240
 catgtatgtc atatagcata tctcatgcga ataaaggat atgacttttg acattctaag 300
 actggaggta gatatccatg attaattaca tttttattta cttcattata ttcaaaataa 360
 atagatacat ttaggccatt ttttaattta 389

<210> 7141
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 7141

agcttagata tagagatcaa atgttactga atttctggca tatatagaac attctttaag 60
 aatagaaatt gagaaaatta cgttgtgcct gcatgagttg tagtgactgt atggccagtg 120
 ggaagcttaa caactatggg atttatcttc ttacaagaag aaaataagtg aagaaaagtt 180
 gtgacatgac cagtggctcc tgaatcgagt atccattcat ctggacgtgc cttgcttaca 240
 ctacaagtga tggataagac attacctctg tgtgcactgc tggaactagt gattgtacta 300
 atttaaataca catgtgaatt gttgggactt gagctctagt gctgtagctg ggcccttaaa 360
 gccttatat. 369

<210> 7142
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 7142

agcttagata tagagatcaa attgaactga aagctaggta tatatagaac atcctttaag 60

aatagaaatt gagaaaatta cgttgtgcct gcatgagttg tagtgactgt atggccagtg 120
 ggaagcttaa caactatggg atttatcttc ttacaagaag aaaataagtg aagaaaagtt 180
 gtgacatgac cagtggctcc tgaatcgagt atccattcat ctggacgtgc cttgcttaca 240
 ctacaagtga tggataagac attacctctg tgtgcactgc tggaactagt gattgtacta 300
 atttaaatca catgtgaatt gttgtgactt gagctctgtt gctgtagctg ggcccttaaa 360
 gccttatat 369

<210> 7143
 <211> 318
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7143

agcttctata gaaggttngt ttctgatttc tctacaatng catcacctct caatgagctg 60
 gtgaagaaga atgtggcatt tacctggggg gaaaaacaag agcaagcctt tgctttgctc 120
 aaagaaaagc ttactaaggc acctgttcta gctcttctg acttttctaa aacttttgag 180
 ctagaatgtg atgcctctgg agtgggagtt ggagctgtat tgttacaagg tgggcaccct 240
 atttcttatt ttagtgaaaa acttcatagt gccaccctca actacccac ctatgataaa 300
 gagctttatg ccttaata 318

<210> 7144
 <211> 205
 <212> DNA
 <213> Glycine max
 <400> 7144

agcttgatat gttttgtgca tgtgctgcta ttgttgagg cactagaatt tggttgccag 60
 acctcaggt gatggcactc acatttttca gattttgcac agtttgtgaa ggcaatatgt 120
 cagaattttg ggactgagct tggttgaact gagtagccat ctgccccatc tgattgggtca 180
 gactctaaat ggaggctctt gtctc 205

<210> 7145
 <211> 354
 <212> DNA
 <213> Glycine max

<400> 7145

agcttctatt cttatacatg tatgaagctc tgataccact tgacagacca gtggccttac 60
acatcccaag aacggggtag aattaagaga tagcgaacta ttccccacc tgaattctat 120
atcactcatc tatgcacctc acacattacc ttaacaatga acctttacat actgaatcag 180
atacaacaat gctgatctaa agatgacgca ataagtaata caagagtgcga gaggaacaa 240
cagtgcacac tcggatttat actggatcgg ccacaccctt gtgcctacgt ccaggcccca 300
agcagcccgc ttgagagttc cactatcttg gaaaatcctt ttacaagttc taaa 354

<210> 7146

<211> 358

<212> DNA

<213> Glycine max

<400> 7146

agctttgagc aatcaaattc attactttta actcggaggt ccgattcatg cgcataatat 60
atcgagacgc tcgatattga acattggaag cttttgagca attcaaattg tcataacttt 120
tcactcggag gtccgattca ggcgcataat atatcgagac gcttgaaatt gaacaacgga 180
agctctcgtg aaattcaaatt ggtcataact ttcaactcgg aggtccgatt caggcgcata 240
atatatcgag atgcacgaaa ttgaacaacg gaagttctcg agaaattcaa atgatcataa 300
cttttctcac gtaggttaga ttttaagcgc taatatatcg agacgcttga aattgaac 358

<210> 7147

<211> 360

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7147

agcttgaagg taaactagat gtcttggtta atttgttaac ccaactggcc atgaatcaga 60
aatctgcacc tgctgccaga ctctgtggtt tatgctctc tgccgaccac cacacagacc 120
tttgcccttc tgtgcaacaa tctgaaacaa ttgaacagct tgaagcttat gctgcaacaa 180
tctacaacag acctcctcaa cctcagcagc aaaatcagcc acaacaaaat aactatgacc 240
tttctgcaa caggtacaat cctggatgga ggaatcatcc caaccttaga tggtcgaatc 300

cttcacaaca tcaacaacaa ccttantttc aaaatgttgc tggcccaagc agaccatacg 360

<210> 7148
<211> 252
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7148

ttagcttcaa ctttcaatnn tgategtctc gatatatgac gagactacat catacatccg 60
agtaaaaagt tatagtcggt tgaatttgct cacagcttca acattcaatt tcgagcatct 120
cgctatatta cgggactcaa tcagacatcc gagtaaaaag tttgttggtt gaattggctg 180
agagcctcaa cattcaattt cgagcgtcgc gatatatataa gggactcaat caaacatccc 240
gagaaaaagt ta 252

<210> 7149
<211> 286
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7149

agcttgtgga tgggtgncaa tttcctacga cttttgtgca tattaaggat gctattgaag 60
ccgtcttatt gctgattgaa ggctcccata tgaaacttta tatattttta gtactgatct 120
gattgtaaaa gttcatcttt tgactattac tcttgatca tggttcaact aaatgtgaac 180
gataattttt aacaggaaaa tcttgccagg gccaatggac atattttta tgttggaac 240
ccaaacaatg aggttacagt taggcattct gctgaaatga tgacac 286

<210> 7150
<211> 335
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7150

agctttnttt tttcaagtct tgtttattta gtaaaaaatc tctagaattt ttttggtttt 60
tttttacgta tggggtccta acttaaacca atcaataaat ggtgattcat attatgtcat 120
ctctgtggat aattattcta aatatgtatg gctatttcct atcaaattca aacctaacgt 180

tactaccatt gtcctaattt ttaaaacatt atttgaaaag aaattcacat gttggatcag 240
aaccctctat agcgacaatg gaggtgaaat tattaaatgc tgaacctctt tccaatcact 300
aggctgtttg acctaaccac caticctata cacct 335

<210> 7151
<211> 144
<212> DNA
<213> Glycine max

<400> 7151

tgcttgaaat tgaacaacgg aagctctcga gaaattcaaa tggctttaac ttttcactcg 60
gatgtccgag tcaggctatg tcgagacgct caaaattcga caatggaagc tctcgataag 120
tgatatggtc ttggcttata actt 144

<210> 7152
<211> 168
<212> DNA
<213> Glycine max

<400> 7152

ttcttctttg cacttttcca ttttgaattt cttaattagt ttgtacatt actttgtttg 60
acataggaag ttgccatggt tcatttgctt gacttgaagt ccaaggaaga aggacaattc 120
tcccatcata gacatctcaa attctttttg cataaagttg gaaaattc 168

<210> 7153
<211> 182
<212> DNA
<213> Glycine max

<400> 7153

agcttgtgcc tctttatgtc tgggatatga atgtagcata tagatccaaa gacccttagg 60
tgctttgctg atggcttctt cccattccaa gcttcaattg gagtcttgtc ttttacagac 120
ttagttggac atctgttgag tatgtaaaca acagcgtaga ctgcttcagc ccagaatgtg 180
tt 182

<210> 7154
<211> 175

<212> DNA
<213> Glycine max

<400> 7154

ttcttttgcc caattcgctt ttgatctcga taaagctgct caaaatcaat tagcaagagg 60
tcaatgattg cgcgagttgc ttaaacaatc ccaatcagct cctcttaccg tggaagaaca 120
gataataagg atttatactg gaataaatgg ttatcttgat tcattagaaa ttgga 175

<210> 7155
<211> 173
<212> DNA
<213> Glycine max

<400> 7155

tgtcttccca atatcagcat ttccatgcac attacatcca gcaaggagcg ctccccaaac 60
agtcaatggc acctcttccc caagcccctc aatgatattg gaagcttctt tcagccttcc 120
tgcacgacca caaagatcaa ccaaacatgc atagtgatct tctctgagtt gta 173

<210> 7156
<211> 175
<212> DNA
<213> Glycine max

<400> 7156

agcttccatt gttcaathtt gagcgtatcg atatattatg cgcttgaatc ggacctccat 60
gctaaaagtt atgaccatht gaatttcccg agagcttccg ttgttcaatt tcgagcgtgt 120
ctatatatta tgcacctgaa tctgacgtcc gacttaaaag ttatgaccat ttgaa 175

<210> 7157
<211> 170
<212> DNA
<213> Glycine max

<400> 7157

ttctttgtgc aacttaagca tggaaagaag atagtctaca ctaggcatca aatatttctc 60
aaagaatatc acccatatcg attgtaaaaa gcttttaatg gaagtccaaa gtctggattt 120
tccctgatac ccttatcgag aaatgaactt tatgagcagg tgaaggacat 170

<210> 7158
 <211> 175
 <212> DNA
 <213> Glycine max

<400> 7158

ttcttttcatt aagttatgac catttgaatt tctcgagatc ttccgtggct caattccggg 60
 cgtctccata tgtcatgtgc ctgaatcgga cctgcgtatg aaaatgttat gaccatttga 120
 acttctctag agcttccgtt gggtcatttc aagcgttctt gtatctgatg tgcct 175

<210> 7159
 <211> 176
 <212> DNA
 <213> Glycine max

<400> 7159

ttcttgaatc ttccttggtc gggtagatga gcatatgcaa tgctcccaa tactctcaag 60
 tgatcaactc ttggcttcac tccactccat gcttcttggtg gtgtttgatc tttgacattc 120
 tttgttgggg agcgattgga caaataaacg gcacatgcaa cagcttcggc ccaaaa 176

<210> 7160
 <211> 453
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7160

ctcagcttta cccctccaat gttgaaatac taaacatcag aagtgtaaat cttaaagtta 60
 aaaagctatc cacgaagcag gctggcataa ccaatcagat tgattaatct attcttccac 120
 aatcatgcaa aaatataatt tgggtgttca tcatataacc acgagttgct gctttgaaat 180
 gctcattttg taaatcttga tctgtatagg ctgagagcaa catatcccac cgtcacaatt 240
 ctgccatcaa agaatcgtcc gtgcaaaacta tgtgctgccg aacaacatgc ttcagctctt 300
 ccatactcaa caagaacaga acctggttta aatacatgac cataaatatc ctcttccgtg 360
 tcaatgctct tttggggact aaccaattct gcaatgatat cccattcaga aaagccttnc 420
 tgaaatgcac aaactgtgtc ttagattca tat 453

<210> 7161

<211> 266
 <212> DNA
 <213> Glycine max

<400> 7161

ccttttagtac ggaatctatc cttcctaaga tggcgcctta cccagtcacc ctcgttaaga 60
 actagctctt ttcttcctct attgccttta gttgaataca cctttgtttg gttctctatt 120
 tggttcttaa ccctctcatg caacttcttt acaaactctg acctagattc cccttcttta 180
 tgtataaaag aagtgtctag tgggaaggga atgaggtcta acggtgttag gggattgaac 240
 ccatagacaa cctcaaaagg ggagtg 266

<210> 7162
 <211> 205
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7162

aacaacggaa gctctcgaaa aatcagtttc atatattntc acacagaggt ccgattcgggt 60
 gtaataatat atctgagact cacnaaatcg aacaaccgaa gctctcgaga aatttgaatg 120
 gacataacat ctcactctga tgttcgagcc cgggacataa tataacgaga ctctctaaat 180
 tgaacaaccg aatctctcta caaat 205

<210> 7163
 <211> 341
 <212> DNA
 <213> Glycine max

<400> 7163

tgaatcggac atccgtgtga aaagatatga ccattttata tttctcaaga gcttccgttg 60
 atcaatttcg atcctctcga catattatgc acccgaatcg gacatctgtg tgaaaagtca 120
 tgaccatttg aatttctcga gagtttccga tgtttaatct cgagcgcacg gatataattat 180
 aaccctgaat cggacctcag tctgaaaagt tatgaccatt tgatattgac gagagcttcc 240
 gtcgtcaatt tcgaatatca ctgtatgtga tgcgcctaaa ttggcattcg agttaattgt 300
 ttgaccactt gattttccaa aagcttctgt ctgtcaattc t 341

<210> 7164
 <211> 446
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7164

tgcttaatct atctagatag aaggggaatga tgagtgggta tgcattggaag ttaggaaaac 60
 gattcaaaga tttttactat gaagtatata tggatataat tgcaggaatc aattgattta 120
 ttaagaaaga aagtaaatta ttaaagggtga tgaaaaatga actgagtga atacctaaaa 180
 aacaaacgtg atttattaag aaagaaagta aattattaaa ggtgataaaa tttaatatat 240
 aggaataggg tttaatatac gattcagaaa acttgtcaaa gttacaaaca gttagcaatt 300
 tatttatttt ttgatagtca catctagaaa attaatctct atgctttnta tgtaagtttt 360
 taattttaag ttgctgaaac tgtgaagtga gcaaattaag ctctgtcggg ttttaattaa 420
 ttaattatta gtccattcac tgtttt 446

<210> 7165
 <211> 442
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7165

tgcaccaggg aacaatttca ctttaatatg ngattccaat tggcttccta gttttcagct 60
 tacctatttg gatgtgggat catggcagtt aggtcccagc tttccatcgt ggattcagtc 120
 aaaaaaaaaa cttaaataatt taggcatgtc taacacaggg attattgatt ctattcctac 180
 acagatgtgg gaagcacaat ctgaggtttt gtatttaaac cactctcata atcatatcca 240
 tggtagagctt gtgactacat taaaaaatcc aatatctatc ccaactgttg atctaagcac 300
 aatcactta tgtggtagaa taccctatct ttcaaatgat gtgtatgggt tagacctttc 360
 aaccaattca ttctctgtat ccatgcaaga atttttatgt aacaatcagg acaagccaat 420
 gcaattagaa attctcacat ct 442

<210> 7166
 <211> 307
 <212> DNA
 <213> Glycine max

<400> 7166

tctatccttc ctaagatgga gccaaaccca gtcaccctca ttaagaacta gctcttttct 60

tcctctattg ccttttagtg aatacacctt tgtaggagtc tctatttggga tcttaaccct 120

ttcatgcac ttctttacaa attctgacct agattccctt tctttatgta taaaagaagt 180

gtccactggg aggggaatga ggtctaaccg tgtaggggga ttgaacccat atacaacctc 240

aaaaggggac tgcttggtgg ttctatgaac cctcctgttg taggaaaatt ctacatgagg 300

aagatac 307

<210> 7167

<211> 433

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7167

gtatgaaaat gcatcgacac tgttaactgg ttagcaagtt cttgagcggg ttgaggacat 60

caatacgatg tttggaaaaa cctcaaataa tgaaaaaagt aaaacttgca tatggaagaa 120

gaggccaata ttgttttata ttccatattg gtccgatcta gatgtcatac attgtattga 180

tgatcatgaat gtggagaaaa caatgtgtga tagtgtcatc aacatgcttc ttaacaatca 240

aggtaagaca aaagatgggt cgaatactcg tcaagatcta gttgagatgg gtatatgaca 300

ctaattacat cctaagtccg atgttaagaa aatacacttg cctccagctt gtcatacttt 360

tgccaaaag gagaagataa gtttctgtca gtatctgcac cgcgtcatag tgatcatang 420

atactcttca ata 433

<210> 7168

<211> 328

<212> DNA

<213> Glycine max

<400> 7168

cttctctgac ttagcatcac attttcctaa gttatctttt ccattattca ataccaaaca 60

tttacaacca aagatatgaa aatgtgagat gtttggttat ctgccattga acaattcata 120

tggagttttc ttttaagatgg gtcttattaa agccctatct aaaatgtagc atgcagtgtt 180

aacagggttca gcccaaaaat atgttggaag acgtgtatca ttttaataaag tgctagcaat 240
 ctcttccaaa gatctattct tgctttcaac aacaccattt tgttgaggag ctcttggcgc 300
 agaataatta tgctcaatcc catgctta 328

<210> 7169
 <211> 401
 <212> DNA
 <213> Glycine max
 <400> 7169

taagctcctt cactacgcaa gactcttaat atttgaagag tatecttgtg gaaccttcac 60
 ccaatgaaga cactgacaac aacttatctt ctcttttttg gataatgtat gacaagttgg 120
 gggcaagtaa attttcttcc catcagtcct tggatgcaac tgtgatcgta tccccatctc 180
 agctagatct tgacgggtat tcaagccatc ctctgtcttg acttgaatgt taaggagcat 240
 tccaatcaca ctgtcacata catttttctc cacatgcata acatcaatac aatgtctaac 300
 gtctagatta caccagtatg gaagataaaa gaaaatggac ctcttctttc gtagtgaagt 360
 cttactttta tccttctttt gggatatttc aagtacatta t 401

<210> 7170
 <211> 362
 <212> DNA
 <213> Glycine max
 <400> 7170

tgctagtgat acactctatt cagagtttga atatgtatta caaggaatgg attttgagag 60
 aggttggggg gatatagctg agcgggtatt ggaaatgatg catatgctcc tagtccctaa 120
 atattcttca cgctcctgat cataatacac tacagacttt tcttgggaga gagccaatgg 180
 tattcaatgt tgatatatta tctcctcatg gctactttgg acaagccaat gtcttggggtt 240
 tgcctgacat tgggtgggcaa gttgtttata tactacgtca agtgcgtgcc cttgaaaatg 300
 agatgctcct tcacatcaag atacaaggac ttgatctcac tcctaaaatt ctaattggta 360
 cc 362

<210> 7171
 <211> 446
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7171

tctggtggga catcttgact tgctttccaa tctgacattc accacagatt ctgccttctt 60
ctattttcag attgggaatg cctctaacag caccttggtc aatgattttc ttcattgcctc 120
ttaagtgcag atgtccaaat ctttgatgcc atattttgac ttcattcttct ttggaggata 180
gacatgtgga ggagtaactg gtttcttgag gtgtccatag gtaacagttg tcctttgatc 240
tgctgccctt cattagaact tcactcttct catttggtcac caagcattct gactttgtga 300
agtttacatt gaatccttca tcacacaact gactgatgct gatcagggtt gcagtcagtc 360
ccttcaccag cagtactttg ttcagactan gaagtccatc atggactagc tntcccatc 420
caatgatctt tccttttagag ccattct 446

<210> 7172

<211> 426

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7172

gtaactntta ttaagatntc atataataat aaaataaaat aactgagaaa tatgcaaata 60
atagaatcca aaaatcaaca tttgaatatt taacacaatt gagctaata gtttttatag 120
caatagtttg tatatcttag accaaaccaa gaaactttta atccttacta cctaaaatag 180
taattacaaa acataccaaa ataagggcaa aagtatattt tggatgaact ataagattga 240
gatgtcatac acaaattcta agagcaaaga agaaacatgt gtaaaaaaaaa gattcctata 300
ttaatattat taatatataa tgtacaaata ataaataata ttataattta attggttttt 360
ttcttattat caatcaatnt gtttaaattt aatgtatnta tctaaattac ttctgggttaa 420
aacaca 426

<210> 7173

<211> 446

<212> DNA

<213> Glycine max

<400> 7173

ctgataaaat ccaatgaaca caaatcacta tgtgcttaat gcaaaaattg taagggaaag 60
aataaacaaa aataaatatt aacggaacag aaacaagtaa atattggtac ccaagtcaca 120
aggctttgct gtectcgtgg cagtgtatga tccactgggt tacgccccgt taagagttcc 180
agcagtataa ctccaaagct ataaacatca ctttctgaag tgagttgtcc agtcattgca 240
tatctgtcat aaaaaaatca agcccaataa attataaaaa aaccacaact tgtgtaaaga 300
gagttaataa ttggccctaa agtggattga agttcagtag atcactgtcc aaagatattt 360
ctaatttaca attaatacagt ttcattgtta ctcaattgtg attttcatat tctcttattc 420
caagtttttc atctttcaac ttaagc 446

<210> 7174
<211> 355
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7174

taatatcatc ctcttggaca aacccttata tnatttctgt ccaggagacc acattatgga 60
cttgcatctg ggaagaccgt ctatcaacat cactcataca tgcaaatttt gcatatgaat 120
caacaatagc agactccaca aagacatctg ttgcaccaca ttagattgcc cacccatgaa 180
ctcctctccc aatatgcaaa tctttaagca cacaacatgc tcgcagattg ctcggaacg 240
catagctatc cggcattaga gatgcatggt acattccacg aaacagattc taagcaaccc 300
agcgtctctc actataaact gccaacgata caatagcatt ccaacatgcc acgtt 355

<210> 7175
<211> 398
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7175

ttctatgtca tctntaaata aagatctggt ggtaaagacc ccaactagtg gttntgtgtt 60
aacttgtaat gtgtatttaa attgtcttgt ggaaattttt agtagaacat tcttgattga 120
tctgatttgt ttgcctttga accaaattga tgttattctg ggaatggact agttatcttc 180
caaccatgtc ttgttaaatt ggtttaataa aaatgcagtg tttgatgatt ctggagttag 240

taaggatagg atgtttatct ttgccaacca agttgtgaca tctttaaaag aagatgctta 300
 agtctacatg atcatgtcta acctanaagt agagacaaag gtttccatgg gtgacctccc 360
 tattgtcaga gagtttctg aagtgttccc taatgata 398

<210> 7176
 <211> 413
 <212> DNA
 <213> Glycine max

<400> 7176

ttaacaacac agaccattgt tgtaaaattt atagtcattt gggtgcctgt taactcaaga 60
 taatagatac acaaccacaca tgtttcaagg agctgagtga ttttctcatg caactgcaaa 120
 gataattgaa agaatatcat ctgactgaat ttctaaaagc atacaaatgc ttttccctc 180
 acaaggaaag gtaacaagg aaatcagtca gttaaataatg ccatacttgg gtcctgcaga 240
 cattgtccga caattctcag gagtacagaa ctctgtaagg gtaccataaa gcagattcac 300
 ctgattgaag aaatcaacag ctgtaatgca tgaagaagaa aaaaagaagt cagtttactg 360
 catttcagaa ttgtatgaat tatgaatata tagttgagga aactagagaa taa 413

<210> 7177
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7177

aacctttgct nnttttgcta gactagaagc tataagaatc atgctttcct ttgctactca 60
 taaaaatata aagttatttc aaatggacgt taaaagtgtt ttcttaaagt gctttattga 120
 agaggaaata tatgtcaaac aacctcttgg gtttgaagat catactcttc cagaccatgc 180
 tttcaaactt aaaaaagctt tgtatggtct aaaacaggaa ccacatgctt ggtgtgacag 240
 actgagttca tttctcttag aaatggtttt attaaagtca aagtggatac aactctttct 300
 aaatgagaag ttggcaaaga tttcattata gtccaaatgt atgttgatga tagtattttc 360
 gaagctacta atgaatctct ttccaagact atntttgatc tgatgaagag tgaattccga 420
 atgagcatga tgggagaac 439

<210> 7178
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 7178

tctcagatcc ggatcatggaa agacttggca actgccttaa ttatgcagta ccaatacaac 60
 acggatatgg ctctgatcg aaaccaactt cagagcatga ccaagcggga acatgagtcc 120
 attaaagaat atgctcatag gtggagagac ctagcagccc aagtcgtccc gcccatgact 180
 gaaagggaga tgatcacgat tatggtagat acgttgcccta cgctctacta cgagaagatg 240
 ataggatata tgtcggctaa ctttgtagac ctcatcttcg ctgaagaaag aatcgtgtcc 300
 ggactaaaaa aaggcaagtt tgaatatgct ttcaacgttg cccccaacaa caatagaaga 360
 acctcagtgg tggacacac 379

<210> 7179
 <211> 361
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7179

gcgcataaca cgnccgagaag cccgaaanna aacaacgaaa gcccgngaga aanncaaang 60
 ggcataaccn ccgacacgga cggccgaanc aggcaancca canancgaga cgcccaaaan 120
 ngaacaacgg aagctcctga gaaattcaaa tgcttataac atatagtac actcgaaatg 180
 tccgattcaa gcttataata tatcgatagc ctcgaaataa aacatcgaaa gctctcgcga 240
 aatttaaagt ggcataactc ttcacacgga tgtccgattc ggacgcataa tatgtccaga 300
 gggctcgaat tgaacaacgg aagccctcgt gaaattcaaa tgggcataac ttttacactg 360
 a 361

<210> 7180
 <211> 359
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7180

ttgagccaat tcaaacgaca acaacggtgt ttctcgaaat antttattga ggcccataat 60

atatacgagac gggtttatatt gaatgttgaa tctctgagca aattcaaacg acaatagctt 120
 tataactcgga cgtctgattg agtgccgtaa catatcgaga cgctcgaaat tgaatgttga 180
 acctcttgag acaattcaaa cgacaataac ttcttactcg gatgtctgat tgattcccg 240
 aatatatcga gaccctcgta attgaatgtt gaagccctga gccaatcaa atgacaatag 300
 atttttactc ggatgtctga ttgagtcctc gtataatttc aggacgctcc aaattgaat 359

<210> 7181
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7181

ntgagcaaat tcaaacgata ataaatnttg actcggatgt tcgatttgtt cccgtaggat 60
 atcgagacgc tcgtaattga aaacggaagc ttgagaaaa ttctaacgac aataactttt 120
 cactcgaatg ttcaattgag tcccgtagga tatcgagacg ctcgtaattg aaaacggaag 180
 ctctgagaaa aatcaaacga caataacttt taactcgaaa gtcctattga gccctgtaat 240
 atatcaagac gctcgaagtt gaaaacggaa gctctaataa aagtcaaacg acaataactt 300
 ttgactcgga tgtccgattg agtctcgtaa tatatcgaga cgctcgtaat tggaaacgaa 360
 agctctgagt ataatccaac cgacataact tttaactcgg atgtgctaga tgaatcccg 420
 atatatcga 429

<210> 7182
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7182

agatactaag ctatgttaaa ggataaataa ggaaaataaa aattttttat taaaatngaa 60
 ctcataatca ttattcata aaataggcaa taaatcacta actcacttgt ttaccttaat 120
 taacaacttt aacattattt tttatgtatt attagtctag tgttattaat tttttttcaa 180
 attatcaaat ttataaatt aaaaatattt aatatataaa tctttttaat ttactttat 240
 atcattttac atttttttat tttgaatagt ctacatattt ttatttttac ttaccaatt 300

ttaattaaat ctcataaatt aatatgtaat tatttacctg atttttttaa ttcatttttaa 360
 tatacaaatt attcttactc taattattaa cataaaatta ttcatggaca agacaataaa 420
 acacctgttt tgttctgtag ctatatta 448

<210> 7183
 <211> 381
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7183

tattctntat ctagagtagt tgagcacaac aacttactac tgacatatat tcgacttttag 60
 tagcggacaa tgtagttgag ccttgcatct tgcataattca tgttactaag gtagcaccga 120
 taaagtaata gcttccacta gtgcttttttc tttcaacttt atcaccgaca tagtcaacat 180
 cataatagct tgtaagtctg aaactttctc ttctttggaa cataagacca agattagaag 240
 ttccaattaa atatctacaa gatatgttta atattagtta ggtgaacttc cctttgttct 300
 tattgaaatc ttgcacatag atgaacattg aacataatat cataaatgga tgcagggaga 360
 tagaccagtg agttgcatcc a 381

<210> 7184
 <211> 392
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7184

tataaagaaa aatgatggca tgattttaac ccaatcacac tatgttgaaa atctgttgaa 60
 gaagtttaat tattttgatg tgaaacctgt ttctactcct tatgactcat ccatcaagct 120
 aaagaaaaat ttgggttaaag gaatttcttc acataaatat cctcaaatta tcggttcttt 180
 gttgcatttg acaaacttct ccaggcctga cattgcatat gcagttggta gattaagaag 240
 gtataactaat aatcctgatc attctcattg gattgcatta caaagagttc ttagatactt 300
 aaaaggaacc atcaattatg acattcatta tacatcgttt cctgcagtaa ttgaggcggt 360
 tagtgatgca nattggattt ctgattctga tg 392

<210> 7185
 <211> 440
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7185

tgccaaatgc tctattggct gatgagttgg tccatcctct ctaagtccaa tcgaatcatg 60
 agtcatcaca taaataactc caacttcaca cagtgcagaa atccttatgg cagctctcat 120
 gtagtcagtg aagacaaagg gcatttagat tttgctgaaa caaatttctt gtagcatctg 180
 tagggctttc tggagcgtat gtctgaaagt tgaaatttaa ttagaagggt agtcaataat 240
 ccagaaacaa atgatggaag tcaagtttta tttatcttaa aagtttgaag gctatacatg 300
 catgaagcaa aaagatagat gatgagtga gatgcaatgt acttaatatg aattntaact 360
 gtaattagga aagttaatga ttataacaaa ccatggaaac gaatcaccac tattcagtan 420
 naatgggata cacatcattc 440

<210> 7186
 <211> 410
 <212> DNA
 <213> Glycine max

 <400> 7186

agcttgctcg tcttgctgat atttatcatg ttgacttttc tgatgatgac cgaggaacaa 60
 ttagggatca acttgaaact tatgtgcttc aagtgagaag aaatgcttct ttttccactt 120
 gtgaagatgt tcaaagtttg gctatgaaga tgggttcaaac tgagaaacat ttggtatttc 180
 cattggttta taaacttatt gagctagctt tgatattgcc ggtgtcgaca gcatccgttg 240
 aaagagcttt ttcagtaatg aagattatca agtctaaatt gcgcaataag atcaacgatg 300
 tgtggttcaa tgacttgatg gtgtgttaca ccgagcggga gatattcaag tcacttgatg 360
 atattgatat tattcgaaca tttaccgcaa agaagtctcg gaaaggacac 410

<210> 7187
 <211> 429
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7187

ctaataaaga gcattttaaag aaaataatTTt tataatctct attgatatga aatgacaaat 60
gacagcaata atatatgctt ttgttttcca ttgtctaaca atgacttgta gtttaaatat 120
gaaaatatat attaaatttc attttctctt aatgtattta aaataaattc atttttgttt 180
cacaagaaga tttgaacatg ggagagatgg gagattaata agaaaaaaaa tcctcatttt 240
ccttccatta tccttattat tattgttaat atagagatca taaatatttt ttttatcaaa 300
aatcatcctg caataaaaat attagttaaa ttaaaacaat tttataccca ttgatgatgg 360
tcagtcaatc cattctcctt atcataaatc tttcaaaaga tattagnaac atttttcctt 420
ctttgatac 429

<210> 7188
<211> 442
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7188

agcttccatc ttanaccaaa taatgttaac ttataaattt catggtagtg agcaatgcaa 60
gaacaaatga taatgagtct caactcttac tacacaccag gctaaaaaca acaagacagc 120
cttattttat caacacttgt tcagccaaca cctattatat gtccattttt aaaattaact 180
ctagaaaaat aacttatttt actataaaga cctagagtaa acccctatta atgaaacaca 240
actattggca gaaaaaacg ttttaaggac aaaaacctga ttaacagctt caccaaaagc 300
cacaaatgca aactccccac caggagcaag aagtagacca actctgatgg cagaaatgag 360
tgaaatccca aacattctac ctatcaaaca aaccaagata gtcttgccac atattaagag 420
tcctagtgtg cccgtaatga ct 442

<210> 7189
<211> 259
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7189

tatatatcga tacgctcgaa ataaacattg tacactttcg aganaggcaa anggccggaa 60
cttttcacac ggatgtccga gtcgggcgca taataatggg agaggctcgg aattgaacaa 120

cgaaagctct tgagaaattc aaatggacat aacttttcac actgatgtcc gattcatgat 180
 tatactatat cgatacgtc gaaattaaac atcggaagct ctcgagaaat tcaaatgcgc 240
 ataactgttc acacggatg 259

<210> 7190
 <211> 413
 <212> DNA
 <213> Glycine max

<400> 7190

tatcagaagg ggaatggtaa aataccacct ctttctgata ttatgaaggt ggcaaagtgt 60
 ttcttttgcga agaagaaggg acacatgaaa aagaattgcc ccggattcca gaaatggctt 120
 gagaagaaag gtaaatacaat ctcattagta tggttatgaat ctaatatgggt tagtggttaat 180
 attaacacct ggtggattga ttctggatct actattcata ttgcaaattc tttacaggggt 240
 atggaaaacc taatgaaacc agtgggaagt gagcaaagca ttttatcaag caataagcta 300
 ggctcacatg tggaggccat tgggaacttgc attctgacta taagtagtgg ctctatttta 360
 aaattagaaa ggacttttta tgtaccaagt tttcccgaa acttgatttc tat 413

<210> 7191
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 7191

tagctagata gaatgtcaaa gatggaagat actttaacat tgtttatgca agtatccatc 60
 gcaaaccaaa agaacattga tgcttctggt aaaaatctag aagttcgagt tggacaactg 120
 gctaaagagc tatctgaact tgggaagtgga tctttctcag caaccacaca ggtcaacca 180
 aaggaacatt gtaatttaat tacaacaagg tgggggatta tggttggttt gaaggataat 240
 gatgagaaaa agaataaaga aggagttgaa aaagaaaatg aggaaaaaga tgaagtggta 300
 actagtgaaa aagtggtaag tgaagaagag aaaaagaaat caaatgaaca aaccactgat 360
 aaaggtaaag ttatagtaaa ccatccacca attgagcatc ttccttatct gcatgctcca 420
 t 421

<210> 7192
 <211> 438
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7192

cctcctcaac tcattctgtca acttctaat atgactattc atgtattata ttngtttaca 60
 ttnttgata tatagtaaca agtctgggtt gttttggcct tcgattattt caatttttcc 120
 attgttggtt cctgcacctt gtgtctataa ttatttggtt gcttatttgg gggttcaggct 180
 gatgccaaga ccgatgaagt gtactcgcaa atgaccttgc aacctctgaa tcttgtagca 240
 taagtataa cactgtctta acttttcatt gataactagt gttattgctt ttgtagtatt 300
 ttaggtttta actaagaccg tgtttgtggt aagacaaaa ggaggcatat tatccagcag 360
 agctgggtcac cccaagtaaa caaccaacaa actatttcta caaaactttg acaatcagt 420
 gcgcaagcac tcatgggg 438

<210> 7193
 <211> 432
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7193

ttctggcgga catcttgact tgctgtccaa tctgacattt ttcacagttt ctgccttctt 60
 ctattttcag attgggaatg cctctaacag cacctttgtc aatgattttc ttcattgcctc 120
 ttaagtgcag atgtccaaat ctttgatgcc atattttgac ttcattcttct ttggaggata 180
 gacatgtgga ggagtaactg gtttcttgag gtgtccatag gtaacagttg tcctttgatc 240
 tgctgcctt cattagaact tcaactcttct catttgctac caagcattct gactttgtga 300
 agtttacatt gaatccttca tcacacaact gactgatgct gatcaagttt gcagtcagtc 360
 cttcaccag cagtactttg ttcagactan gaagtccatc atggactagc tttccattc 420
 cagtatctt tc 432

<210> 7194
 <211> 314
 <212> DNA
 <213> Glycine max

<400> 7194

gtagatgaat atgaagccgt gtccaccttt tggactcctc taagaacaat aacatcattt 60
cttgactga attgttggga gttggaagcc atcttctcaa tcaaattcct agcctcagca 120
ggggtcatat caccaagagt tccaccactg gcagcatcaa tcatactcct ctccatgttg 180
ctaagtccct catagaaata ttgaagaagg agttgctcat aaatctggtg gtgaggacag 240
cttgacaca atttcttgaa tctttcccag tactcataca agctttctcc actaagttgc 300
ctgatgcctg aaat 314

<210> 7195

<211> 432

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7195

agctgggntc ttcgggtttc tattgtcgct tcaccatnnn acacaggaac attgattaaa 60
agatgtatgg acaagaattc caacattaga acctaccctg atataggtga acttgcattt 120
ggaaagacag gaaggctaag agtatcagtg tccatgtaca ccgagctcta cttagtctcg 180
atagggttct tgattctgga aggtgataac ttaccttttt ccgtttcaaa ctcagataca 240
taacaaaatt aggaatgtat tgtatggcct actattttat ttcttcaaga ctattgcatt 300
gcttattgct tataaaagggt aggggaagggt tgctgttagt cttttcattt aaataccaat 360
atgatgcaca tcattttaac tatgcaacgg tgcttgata gataattgag tcatttggtg 420
ctgtataaaa aa 432

<210> 7196

<211> 300

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7196

tcgacatcag accacttcca ttgtgctggt tctacttctt atggatttga tggggcctat 60
gcaggttgaa agtcttggag gaaagaggta tgcctatggt gttgtggatg atttctccag 120
atttacctgn gtttaatttta tcagagagaa atcagaaacc tttgaagtat tcaaagagtt 180

gagtctaaga cttcaaagag agaaagactg tgtcatcaag agaatcagga gtgaccatgg 240
cagagaatth gaaaacagca ggttcactga attctgcaca tctgaaggca tcaactcatga 300

<210> 7197
<211> 417
<212> DNA
<213> Glycine max

<400> 7197

agcttcaagg atgaggacta cccttgtttc tctgacatag caaactttaa gggcacagga 60
caaccaccag aaggtatgca atttcacgag agaaaaaggt tcttctgaga agccaccagg 120
tatgtttggg atgaccttat tctttttcgt attgggtgatt gcaatttgtt aaggtgatgt 180
gtaacatagg gagaacaaac taacatactt tggcattgcc atgactcacc atataaaagc 240
cacttcaacg aagaaagaac aactgcaaag atccttcaag cctgattcta ttggcccata 300
ctcttcaaag atgctcataa gcatgcacga tcatgagaca actgtcaaca aactggaaac 360
atatccacac ggcataaat gccattacag aacgtgtagg aggtaaaagt ctttgat 417

<210> 7198
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7198

agctntacaa aagaggagag tntattngac taaggttatc tcaatngaac aaagaaaaat 60
cacaaattht ccccttttat acattntttc cccaacaatc atgggggttc aaaaaagttg 120
aagcacaat aaaatgaata aatgaactta catcgagtat aaacaaaagt gccataattg 180
gaggagctgc atatccaagc ccttccaaaa tggcatctaa cgatagatgg aaaccaccca 240
gagagtcaat tcccgatgatt gaacatataa aactccccgc aacagccatg gcaccatata 300
tccctgaaac aaagcaattc catcgcaaag ttcaactcac agtaaacaaa atcaagattc 360
ccattttccc aagtggaaaa ttcattgatt tgattgaaga gagtaagttt ttt 413

<210> 7199
<211> 390
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7199

aaccagaata attggcattc catactttgt caggtctaataaaaaacaag atataaaactt 60
ctcattattc ttaggctgtt gaagatagtt aaaaattgaa cccttaagcc agtgagtgga 120
agcattataa gcatttagga aacttaccgc tgtttctacc catcaacttg acaacaccta 180
tgccattttc tacactttca gtttcaacat gtgctgcatt tatagctcgt tgagcctcct 240
caacagcagt gtcaaagcca aaagacttat caataaccta ttaagcaaga gacagcagaa 300
gaaattacca attaatgatg ctaatggngt ttaaattatg agtttaaagc cacaatgtag 360
aaggaaaana aaaacttact ggaatatcat 390

<210> 7200

<211> 439

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7200

aaagttgaaa ctgtgtgaca gngncctcct acctacctgt caccggaaaag ggacagagac 60
gacgcagatg cactctccac gtcaaaaaac gacgccgtcg aatacgaatg aacataaccc 120
ttaaactccc catctcccc gccaccttct ttcttcccat cccccacctc cgggcgcgcc 180
acctcctct ccatgtacct caccacctgc ctcatctgg gcctctcttc cgggcgctcc 240
gcggaacaca acaaccccac cttcaccacc aacaaagcct ccacctcatc aaacacccca 300
cccaacctac ggtccaccac cgccaacacg ttccccacgc gccaccgttc ccacaccac 360
tccaccagca caagctcctc cggtgcgcc ttcacctcaa tcggtctcct cccacacacc 420
acctacaaca ccaacgccc 439

<210> 7201

<211> 389

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7201

gataaatctg ccatatattc agccgggtatt aggctcatg agctntctca tattcagcaa 60

cttactggat ttagcttggg tgacttcctt tttagatact tgggtgttcc ctttttatca 120
 tctagattaa atgtatgtca ttatgttccc ttgctttcca agattactag cctgattcag 180
 ggatggagca agaagtcttt atcttatgca ggtaagttag agttgatcag agcagttatt 240
 caaggaattg tgaagttttg gatgaggatt ttttctttgc cgcaatctgt tctggaccag 300
 atcaaaactt cgtgccgtaa ttttctgtgg ggcanagcgg atattggcaa aaacaagtcc 360
 ttggntgctt ggtcagtagt ttgttctcc 389

<210> 7202
 <211> 383
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7202

ggaattcatt tagatgtttc cttatatgat caagtacaag aatggtaagg aaaacatagt 60
 ggttgatgct ttatctagaa ggtatgtttt tcttacttct ttgcaaacta aattgcttgg 120
 ttttgagttt atgaaggact tgtatgctaa tgattctgaa tttggcaaag tatgggatc 180
 ttgctctaaa catgttttta ggaactatta tagatgttca tgtttcaaaa aaaaaagttg 240
 tgtgtgtctg tgttccttgc atgaaatggt agtttgagaa atcatgggtg tggaatgatg 300
 ggacattctg gtgtgaaaaa gactntataa attctggata agcattttta ttagcctagc 360
 atgaagcatg atgtgcaacc tat 383

<210> 7203
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7203

ttatgaggag aagcataaga tgaagcanga gatcaccatg tgactcttca tgttgcaact 60
 gaaggagaag gaagaaagtc aaggaaatga aagaagtcac tgaggccgag gtagaggttg 120
 aggtcacggt cgaggatagg ttggaggtgg caatagtgtg cgagggtcaa atttcatcaa 180
 caatagttac gagaaatgaa aaagctcaag agaatgtgga aaaggctata caagcacaag 240
 gtatgataaa tctcaaactc gatgttataa atgtcaaaag attggccact atgcttcaaa 300

atgtagattc gccagaata gagttgagga ggagactaac tatgtggagc aaaaggatga 360
 gaagtttcaa atagtgtcc tagagtgtgg aagtaatgaa ggtagccaag aaaacacatg 420
 gtaccttgac act 433

<210> 7204
 <211> 344
 <212> DNA
 <213> Glycine max
 <400> 7204

agcttgaagg taaactagat gccttggtta tctgttaac ctaactggcc atgaataaaa 60
 aatctgcact tgctgctaga ctctgtggtt tatgttctc tgccgaccac cacacagacc 120
 tttgcccttc tgtgcaacaa tctgaagcaa ttgaacagct tgaagcttat gctgcaaaca 180
 tctacaacag acctcctcaa ccttaacagc aaaatcagcc acaacagaat aattaagacc 240
 tctccagcaa caggtacaat cccggatgga ggaatcatcc caaccttaga tggctgaatc 300
 cttcacaaca gcagcagcaa caacaacaga cttattttca aaat 344

<210> 7205
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7205

aagcttnttc cattaatatg aatttatact tcataaaatc ataagcatgc gtgaattgta 60
 tgctaccagc ttaacattta cgccagaaa attgattgca gtagtgaaca ttgttgaaat 120
 caggaactgg acactatttc caaaaggaaa atgcttcaat ttcaaattta caattttttt 180
 ttaaacctca ttgctacctt aaattttttt ggtgccatta acaagttgat ttcattatgt 240
 ttataccatt acagttgtga tcataaatga aagttttacc tctgtggatc aacttcaggt 300
 tttccattt gggtcttttc ctctaaaaac ctatcttctt gatggagata tcgacttgac 360
 agctcttagt catgaagatg aagaggagga tttggtacga gcagtatgca atatacttaa 420
 nagtgaagat gact 434

<210> 7206

<211> 436
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7206

cattgccatt acagccgcgg ataccccgat tctccacact cattccggaa tgagtnngta 60
 cccaaacaag aatggtcagg ctcaacagtt ctcccaaaga gaatgcaaaa tatgcagcgt 120
 tgaagtaggt agagagcttc ttttaattgct tggggttgtc ttggtcgaat tggtcgcctc 180
 cgtaagcaac catgtttggc ttgacacaac cactaccta tgccaccaag tacagggcta 240
 cgaagaatat catggtcttc atgccctttg cttctgagca ctgttctcct aaatcgttga 300
 tattgcatgg ggggtggcttc aactgaggaa catgagcttg gacagaaagc aatatgaaac 360
 cctgtaaaca taatattatt tgtatatata tgtgtgaagg ctgtctaaat agtgaataaa 420
 aagtaataga atgagt 436

<210> 7207
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7207

acacttctcc atgaaagtgt atttatctaa ttgtccatgt tgatgacata gttattacag 60
 ggaatgatgt tgctacaatt tgtctgctga aaaagcactt attcatccac tttcatacca 120
 aagaccttgg gtgtgtaaaa tactttcttg gtattgaggt gactcaatca aacgaaagca 180
 ttgttatttc tcaaagaaag tatgctttgg ataggttttt ttccagcaat acactccatc 240
 tccctatatt gctcaaaata cacctctttg tatactaata cccaaaatac aactttttct 300
 cacctttgag aagttgagac tggccacccc gacttctgta cgacgcgccc tttttaaaatt 360
 taatttttaa atttatttta aatntatggt t 391

<210> 7208
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7208

ctttcttggc caatgctgga cttgtttggc agtgatttcc ttggcaattt gatgctcaga 60
aacagcaaga tccaccactc cttcagttgg tctgccagg tatttgttga tcacagcagg 120
ggagaatcta acacattttc ctctgacaaa cactttctga taatcatcac tttttctggt 180
tgttatgtca gagggaaatgc tgacaatgaa ttcccttact agactttcat agcaatcgcc 240
caacttggtg acagttttca tcagtccagc agccttgatg aggtccatga tctccttgca 300
gtccaaggca tttcttccca gttctctttc taaagcaagc cttcgttgat atacaaattt 360
ccacctttca acattgccaa tggagtggaa tgagatgttg tccaatgggtg catcanggac 420
attttcaggc acctt 435

<210> 7209
<211> 444
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7209

agcttcgtcg atctctttat ggggtgaaac tatctcctct agcatggntn nggtaaatta 60
gtcatgttgt tcanatgttt ggactaaaac gaagtgaagc tgatcactct gtattntact 120
atcatacatc tcctggaaaa tgtgtctatc taatgggtcta tgttgatgat atagtgatta 180
cagggaaatga tactactaag attgtccagc tgaaagagca cttattcagt catttccaga 240
ccaaagatct gggatctttg aagtatttcc ttgggtattga agtggctcaa tcaggagatg 300
gtattgtgat ttctcagagg aagtatgctc tggatattnt agaagaaaca ggtatgcaga 360
actgtagacc tgttgaaagc cctatggatc ctaatttgaa gctcatggca gatcanagtg 420
aagcttatcc tgaccccgag agat 444

<210> 7210
<211> 416
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7210

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tatcatgttc atctccagcc caatcattat cactgtaacc tacaagctta tagtttttac 120

ttgttgagaa ccataaccaa agatgattgt tcctttgata tagcaaagaa ttcgttttgc 180
 agccttgtgg tgagtagtgg ttggagtctc catgtatcga ctaatgagtc cagtagcata 240
 taggatgtct ggtctcatgc acgtcaaata tcgcaaacta cccaacaaac tctttaaatn 300
 tgtagcatcc accttttttg ctttgtctaa ctttgataac ttcattttgc actccaccaa 360
 tgttccaatg ggcttgcagt tatccatctt gaatttcttg agcatctcct ttgcgt 416

<210> 7211
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 7211

acgcacaaaa acagcaggat ccaccattac gtcacccggc ctgcccaggt atttgttgat 60
 cacagcaggg gagaatctaa cacattttcc tctgacaaac actttctgaa aatcatcact 120
 tattctgttt gttatgtaac atggaatgct gacaatgaat ccccttacta gacattcatt 180
 gcaatcgacc gacacgggtga cagtactcat cagtccagca gccttgatga ggtccatgat 240
 ctccttgcag tccaaggcat ttcttcccag ttctctatct aaagcaagcc ttcaatgata 300
 tacatatttg cacctttcaa cattgcctct ggagtggaac gatatgtcgt ccgatggggc 360
 ttcacgcaca ttctc 375

<210> 7212
 <211> 417
 <212> DNA
 <213> Glycine max

<400> 7212

tgatgcagct gaattgggtt ctaccttatg cactcctcta acgactatag catcatttct 60
 ggtgctaaac tgctgggagt cggaagccat cttatcaatt aaatatctgg cttcaccaag 120
 agtcatgtct ccaagggtc caccactggc agcatctatc atacttctct ccatattact 180
 gagtacttca taaaaatata ggagaagcag ctgctctgaa acctgatgga gacggcaact 240
 ggcacatagt tctttaaatc tatcccagta ttcatacagg ctctctccac tgagttgtct 300
 aatactgag atatacttcc tgatgactgt gatcctggaa gcagggaaaa tgttttctaa 360
 gaatactctc ttcagggtcat cccagctcgt gatggacctt gggcaaggta atacaac 417

<210> 7213
 <211> 440
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7213

agcttctggt gggacatctt gacttgcttt ctaatctgac attcaccaca gattctgcct 60
 tcttctatctt tcagattggg aatgcctcta acagcacctt tgtcaatgat tttcttcatg 120
 cctcttaagt gcagatgtcc aaatctttga tgccatattt tgacttcac cttctttggag 180
 gatagacatg tggaggagta actgggttct tgagggtgcc ataggtaaca gttgtccttt 240
 gatctgctgc ccttcattag aacttcactc ttctcatttg tcaccaagca ttctgactnt 300
 gtgaagtta cattgaatcc ttcatcacac aactgactga tgctgatcaä gtttgcagtt 360
 agtcccttca ccagcagtag tttgttcaga ctangaagtc catcatggac tagctntccc 420
 attccagtga tctttccttt 440

<210> 7214
 <211> 424
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7214

agcttcaaga ataatggcct cattttttct tttattctta gaaggaaatt caataaatag 60
 gcctcctatt tttaatggag agggttacca ctactggaaa acccgaatgc aaattttcat 120
 tgaggcaata gacctaaaca tttgggaagc catagaagtt ggaccttatg taccaccat 180
 ggtagctgga aatacaacaa tagagaaacc tagagaagag tggctctgaag aagaaagaag 240
 attagtgcag tacaatttaa aggctaaaaa tatcattact tctgccctag gaatggatga 300
 atattctagg gtgtcaaatt gtaagagtgc taaggatatg tgggacactc aacaagttac 360
 acgtgagggg gcaactgatg tcaaaagatc tangataaat actctaactc atgagtatga 420
 atta 424

<210> 7215
 <211> 433

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7215

agcttcaacc aaaggatggt ttttctttgt cttgaaagga taaatgacaa tgcatacaag 60
 attgaattgc ccggtgagta taatgtgagt actacattta atgtgtctaa cttagctctt 120
 tttgatgcag atggagaagt caatttgagg aaaaatcctt ttgaagaggg agagagtgat 180
 gaggacatgg caaggactaa gggcaaggaa cctttagaag gacttggagg acctatgaca 240
 agggtttgaa caaagaaggc caaggaagct cttcaacacg tgttaaccat gctatttgaa 300
 tttaggccca agttacaagt ggagaagttt cggattgtca attgcaccat gttccaagaa 360
 gagtagaggg tgccaccttt gttgagtgtt tttattagca ttntgttagt tgaaataaag 420
 gcccaaactt gtg 433

<210> 7216
 <211> 303
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7216

accttgagca attcaaacga caattacgtt tttaagtatg ttcgatngag tcccgtaatg 60
 tategaaacg ttcgaaattg aatgctgatg ctctcagcaa attcaaaaga caataacttt 120
 tatctcgggt gtgtgattga gtcccgatg atctcgacat gctcgaaatt gaatgttgat 180
 gctctgagca aattcaaact acaataactt tttactcgga tgtctgattg attcccgtaa 240
 tatatcgaga cgctcgaaat tgaataccgg aactctaaga aaattccaac cgaccatacc 300
 ttt 303

<210> 7217
 <211> 425
 <212> DNA
 <213> Glycine max
 <400> 7217

agcttcagaa ttcaattttt cgcgtctcaa tatattacgg gactcaatca gacatccaag 60
 caaaacatta ttgtcgtttg aattagctca gagcttcaga attcaatttc gatgggtctcg 120

atatattacg ggtctcaatc agacatctga gtaaaaaagt tattatcggt tgaatttgct 180
gagagcttca acattcaatt tcgagcgtct cgatgtatta cgggacttaa tcagacatcc 240
gagtaaaaag ttatcgtcgt ttgaatttgg tcagagcttc aacattcagt ttagagcgtc 300
tcgatatatt acgggactca atcagacatc cgagtaaaaa gttattgtcg tttgaaaatc 360
ctcagagctt cgggtattcaa tttcgagcgt cttgatatat tacgggactc aatcagacat 420
ccgag 425

<210> 7218
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7218

agctntgccg ccacggaatt tccgactatg ttcttgtgtg gtggaacaag ctacaaaagg 60
agagagcaag aaatgaagag ccaatgggtg atacatggac ggagatgaaa aagatcatga 120
ggaagcgata tgtgccggct agttactcaa gggacttgaa attcaagctc caaaaactaa 180
cccaaggcaa caagggggtt gaggagtatt tcaaggaaat ggatgtgctc atgattcaag 240
caaattattga agaagatgag gaggtaacta tggctcaatt tcttaatggt ttgactaatg 300
atatccgtga tattgttgag ctgcaggagt ttgttgaaat ggatgaattg cttcaciaag 360
caatccaagt agagcaacaa ttaanaagga aaggagtggc taagaggagt tttaccaact 420
ttggttcttc tagttggaa 439

<210> 7219
<211> 336
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7219

tcacctctca atgagctggt gaagaaaatg tggcatttac ctggggtgaa aaacaagagc 60
aagcctttgc tttgctcaaa gaaaagctta ctaaggcacc tgttctagct cttcctgact 120
tttctaaaac ttttaagcta gaatgtgatg cctctggagt gggagttaga gttgtattgt 180
tacaagggtg gcaccctatt gcttatttta gtgaaaaact tcatagtgcc accctcaact 240

acccaccta tgataaagag ctntatgcct taataagagc ccctcanact tgggaacatt 300
tccttgtttg caggaatttg tcttcatagt gatcac 336

<210> 7220
<211> 458
<212> DNA
<213> Glycine max

<400> 7220

ccgggacctt aagcacctgc agctgcagct tgatgttggc taatgtctaa attatttata 60
ccaaaagcaa gaaattaggt gcatatagag atacaaacgc cttggaattg atgcatacag 120
acatttggtg gccatttcat acacctttat ggaatgggtca acaatatttt atatcattca 180
taaacgatta ctccagatat gcatacatgt ttcttataca tgaaaagtca caatctctgg 240
atgtgttcaa aacatttaat gttgaagttg aaaatcatct caacaaaaga attaagagtg 300
ttagatctga ctgtgggtggc gaatactatg gtagatatga cggttcaggt gaacaacatt 360
cggggccttt tgctatgcac ctagaggaat gtggaatcat tccatagtac accattccag 420
ggtcacctag cgtgaatgat gtggctaaaa gatgaaat 458

<210> 7221
<211> 436
<212> DNA
<213> Glycine max

<400> 7221

tcatagttat tattataaca cagctaccca tattaaacat acttcatcta atactttttt 60
ttggggggaa tcaatgagaa tgagaaacat ccacacaact ttgcaggac ataagcatga 120
aagcattgtg acaaaaatac tcaattagaa gagaagaaaa tgagagttaa ttgacaaagc 180
tcgctcaata ataatcaata ttcatataa gaatatttcc cagcaatgtt tcatcaaatt 240
ctgctttaca caaaaaaaaa aaaaatcacc aaactttgct tgaggcttca agcaatcccc 300
taacaaattc caaacacaaa cttttgtgta tcaactctgaa aaatataaac gaatactata 360
tagatcataa cagtcatgat ctctccctag aaaaacctaa gcttggtcaa gacagttctc 420
ctttgctgga gaaaga 436

<210> 7222
 <211> 331
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7222

tagtttggtta caactggggt aattatcagt ttaatttggt agttatgngg accaacttat 60
 caacaaatct ccaccttggt tacataacta aacaaggatc aaagtgggtg ctcccttttt 120
 tgacatcaga ctagctgaca ttacttcaaa tttataaggt ccaggcagta gaaaaacttg 180
 atgcttggtg gaactttagt gatcatatga gagggattat gcttagtgga gactttctag 240
 acaaacacaa ctcttcata aataatctct ctcaaaagt gtagcttcac atctacatgt 300
 tatgtccttt cgtgataaac ttggttcttt g 331

<210> 7223
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7223

agctnttggtc actccacctt aatcttgtct ttatgttaac caaagctagc acagctgata 60
 acatagtaaa gcttttgcac ccaacatata atggcgatg cgcacatggt tgaagagcat 120
 cgtaaatata tgcacgacat tcccgaagc cctcttgccc aagatcacgt atcatgtctt 180
 ccatgagatc tccgctttgt agatcaaccg gatgaggtgg acatgttgct gtatgaccaa 240
 ccaactcacc atgccatata cactttgtgt acgtcgggct aaagccatca catatcagat 300
 gcgatctaata gtcacccaac gaatgacgcc tcccggtgac acatttaaca caagggcaga 360
 aaaagttgcc atctgtggtt gctgaatgta tnttggcana tgacaaanac tcttcaactc 420
 catgttgata agct 434

<210> 7224
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 7224

agcttatcaa catcaaactt ggagtatgag ttcttggggg caagacatga gaagcaatca 60

agtataatgt tacttccttc actaaagcgg tgatccatct ccacacatat tttatcaata 120
 gcaacataaa aaatctctgc acggtaatga tgaagattag tgatagtccct cccttctgct 180
 cttgaacgac cccgaactgg tatttcgtca tccatatttg gtaccagaat acttttagca 240
 acacaaaatc cttggacatc ggcaaaaaaa ttattccagc cactctctct cattgtgccc 300
 aaccgagctt tgacaacatc aactaattcc atgacattca caatattaag atcttttctt 360
 tgcaatatat ttgaaaagct cattgtttcc tatgacctgg atcacgcaca atctcattgg 420
 ggttaaacctc 430

<210> 7225
 <211> 439
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7225

tgcagaagaa atcacatggt tgtcatcatc ataaagggtt tataatgtga atgtatgtat 60
 acatgatttt gatgatgtca aagaagaatc taacaaggct gcttcaaagc ataagcattt 120
 gcttcaagaa taattcaaga ttgcttcaac aaacaaagcc ttgtttcaag attcactaaa 180
 gaccaagcct tgccttaaaa cattgtgctt tcaagacatg caaggctctg gtaatcgatt 240
 accaggaagt gtaatcgatt accagaagac aggggttgaga aatagctggt gaaaaagggt 300
 ttgaatttga attttcaaca tgtaatcgat taccatatgt ctgtaatcga ttaccagcaa 360
 cgaaactntg gaaattcaaa ttcaaaagtc ataacccttc aaattataac tgtgtaatcg 420
 attacacaaa cattgtaat 439

<210> 7226
 <211> 291
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7226

ggcttctaca aagtgaaggg tgtattccct ttgaaaaact ctaatccatn gggactttat 60
 ttatcatggt catcttcagc ccaatcatta tcaactgtaac ctacaagctt atagttgtta 120
 cttggtgaga accataacca aagatgattg ttcttttgat atagcaaaga gatcattatg 180

cagccttggtg gtgagtaatg gttggagtct acatgtatcg actaatgagt ccagcatcat 240
 atatgatgtc tgggctcatg cacgtcaa atcgcaaact acccaacaaa c 291

<210> 7227
 <211> 348
 <212> DNA
 <213> Glycine max

<400> 7227

tctggtggga catcttgact tgctttccaa tctgacattt tccacaaatt ctgccttctt 60
 ctattttcag attgggaatg cctctaacag cacctttgtc aatgatatttc ttcatgcctc 120
 ttaagtgcag atgtccaaat ctttgatgcc atattctgac ttcattcttct ttggaggata 180
 gacatgtgga ggagtaactg gtttcttgag gtgtccatag gtagcagttg tcctttgatc 240
 tgctgccctt cattagaact tcaactcttct catttgtcac caagcattct gactttgtga 300
 agattacatt gaatccttct tcacacagct gactgatgct gatcaagt 348

<210> 7228
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7228

agctttcta at cgattacaca catactgtaa tctattacca gaggagtttt tcagaaaaca 60
 ttctcaacag tcacattttt ttatctgttt cttaaaggt catcaaaggc ttatatatat 120
 gtgacttgag acacgaattt aacaagagtt ttcaagagca aaaaggctt atcctcttaa 180
 aaagcaaaat agttttatcc tcttaccat tccttgcca atacacttgt gattcaataa 240
 ggaattattt gagtgtcaa attgttcaat ctatctcttt caagagagat ttcttcctct 300
 cttgaaaagg gattaagaga ccgagggctt cttgttgtga aagaattcta aacacaaagg 360
 aaggattgtc cttgtgtgtt tagaacttgt aaaaggaatn taanagatag tggaactctc 420
 aagc 424

<210> 7229
 <211> 342
 <212> DNA

<213> Glycine max

<400> 7229

gcctcacctc ccaatgagct agtgaaaaaa aatggggcat ttacctgggg tgaaaaacaa 60
gaacaagcct ttggtttgct caaagaaaag cttactaagg caccctgtct agctcttcct 120
gacttttcta aaacttttga gctagaatgt gatgcctctg gagtgggaag tggagctggt 180
ttgttgcaag gtgggcaccc tattgcttat tttagggaaa aacttcatgg tgccaccctt 240
aactacccca cctatgataa agagctttat gccttaataa gagcactccg aacttgggaa 300
caatacctgg gttccaagga attttcattc atagtgatca tc 342

<210> 7230

<211> 427

<212> DNA

<213> Glycine max

<400> 7230

tcccctactc ccaaaacata gaaaaacaac cgaagaatct gtctgctcat ccagccattt 60
taatataccta tcatgttggg cttgatccaa attttggtta ggttgaccct tcagattaat 120
caatggacca acagcataga tagggggtgt ttgaatttga ccatcacata atgcatcaat 180
agcatactgc tccaactctg aaaaagagtt aacaatgatc cctttggagt ccttgaacct 240
ctgagcaagt ttataataag tggcatatcc accttgtttg ttaaaaaaag catcatgcaa 300
aacactagaa ggaactggat cagggagacc cggttccaac cactgaggat cagaatcatt 360
gaatgcatca ccaactttac gtttctgaat ggaaaacatg atattcacia acccatcatt 420
tgaaggc 427

<210> 7231

<211> 519

<212> DNA

<213> Glycine max

<400> 7231

ttaagaatta tgggctcatc aaactacttg tttcccgagg gaaattctat aaatagacct 60
cccatcttta atggagtggg ttaccactac tggaaaacct gcatgcaaat ctttatagag 120
gcaatagatt taaatatattg ggaagccata gaacaaggac cttatgttcc ctctatagtg 180

gccggaagtg caacaataga aaaacctaga gcagattgga ctgaggaaga aagaagatta 240
gtacaatata atttaaaggc caaaaatatt atttacatct gctctaggaa tagatgaata 300
ctttatgggt tcaaattgta aaagtgctaa agatatgtgg gatacactac aagtaatata 360
tgaaggcaca acagatgtta aaagatctat gataaatata tttacccatg aatattaact 420
gtttaggatg aatgtaaagt aaagttttca agacatgcaa aaaaggttca cacacatagt 480
taatcatctt gcctctctag gaaaaacttt ttcaaatga 519

<210> 7232
<211> 587
<212> DNA
<213> Glycine max

<400> 7232

ttagctttgt cccaaggct tcatgtagac ttgtccatta tctctaagtg aacctcggt 60
ccctgtcgga tacaatactg gaaggaattc catgcaacct taccacttcc ttgatgtaca 120
actctactag cttctccatt ctatacttca tattcactgg gataaaatga gcagatttgg 180
tgagtcgac tactatgacc cacacagcat catgtccacg actagtcttg ggtaaactag 240
atacaaaatc catagatatg ctctcccat tccattccgg aatttccaat ggcttcaatt 300
ctcctgatgg tcaactggtgc tcagccttag ccttttggca tgtcaaacac cttgctacat 360
attcagctac atctttcttc atgccctgcc accaaaaact tatcttcaaa tcttgggtaca 420
tcttagtcat tcttggtgg aaactaacac gacttttatg cgcttcttcc aagatcttaa 480
ctttcaaatc atctcaagat ggcacacata ttctccctt tgaaactaat taaccgggt 540
gtgtcctttt caaacctac atccttaatc cccatttaca tccatta 587

<210> 7233
<211> 447
<212> DNA
<213> Glycine max

<400> 7233

ttgaaactaa gcttgcagac tagtgctacc aacctagata gaatccctct gttgtttcat 60
gtaaacctct tcttttagat caccattcat gaacgccatt ttcacatcca tttgatgcaa 120
ctcaagatca aatgagcta ctaatgccaa aattactcga agagagtctt tcttagatac 180

aggggaaaag gtctctctgt aatcgattcc ttctctttga gtgaatcctt tagcaacaag 240
 tcttgccctta tgtctctcaa tgttgccctc taagtcttcc tttgtttcga agacccatct 300
 gcatccgatg gctttttacac caacagacaa ctcaacgaga tcccaaactt ggtagatgc 360
 catagaatcc atctcatccc tcatagcatt gtaccacaaa tttgattgct tagaactcat 420
 ggcttgtgaa aacgtgtcaa gatcatt 447

<210> 7234
 <211> 219
 <212> DNA
 <213> Glycine max

<400> 7234

gctttaactt tgtttaagaa aaagattgta ttttttgtat aaaacctacg gaaggttctc 60
 ttttgaccac ttttccagct attggcaata tcgggtgcat taaaaaatc ccatcagttc 120
 atgggtatgt agagaaaaga ggcttcaatg cctttgatgt acgcattaca aatgcattac 180
 ttgatttggg tgcccagtgt ggatgcatag ctagtgtga 219

<210> 7235
 <211> 452
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7235

ggagaaagag acaccttttg gttgcaaaca atgtattttt ttaagtgtga cacctaaatt 60
 ccaagcatgc aaaggttcaa catagaaata acaaaactaa gataaataaa taaagggggg 120
 gaagagttga atttaatgaa tggattacaa ttaccaatgg tgggggaaag atcttcaaca 180
 gaacttgaaa taaagctgac aagtaggcta ctttttccca ccccggaatc tccaatcaac 240
 aagatcttga aagagagatc atagccactg ctctgacctg aggatgaact cattctctct 300
 tcctctgatg aatgtcttan gtgtgtgtgt caaaaagtac agtgaaagaa acgtatgcaa 360
 gggtgagaga gagaaagaag cttatgggtg tgggctaggg aaggctaaac tgtaaagaag 420
 tgcaatgggtg caagcccttt cttttatttg gg 452

<210> 7236
 <211> 455

<212> DNA
<213> Glycine max

<400> 7236

ttaatgtaaa ccttactctc agattcaatg cactttatct tctaacaacg cttcaatctc 60
ctcttacctt ttgcctttgg tgtctgataa aaataaattt tagaaaagtg tggcacacac 120
catcacccca ccaagcacaa acaaatgcc tccaaatggt attgcctcta aaacactaag 180
gaatgtcatg gacacaatcc cacttatcaa acggttcaca aaaatggcca agttggaacc 240
ttggggcatt agccttagag ggaaaatctt agaagagtag acccaagttg tcagcccacg 300
cccaatacaa aagcatgata ctgcaacata gacagcaacc acccaciaag caatgaccca 360
ttgatccttg ttatcaccac ataacttaag caaggtacat tccaagccca tcacaaacaa 420
tgagattgcc atgctacatg agcctaacaa caaca 455

<210> 7237
<211> 454
<212> DNA
<213> Glycine max

<400> 7237

tagctgtagc ctccagttgc atgacttggt aagcatcttg aatgatcccc acttcctaata 60
gttttgtttt tttctctctc atattcttat catatgtggt agatttcata ttaaaaccaa 120
ttaacattaa gtgaagttgt ccaacagatc tataagttgc actctaagac agccgatgtc 180
ggacttccaa tgcacccctt tcacgccccaa cacttattaa gcttggtgcg tgaacaacaa 240
atggtgggtg ctcatcggag gcgagagcga tgtcgcaggt caaagcatgc tttgatatca 300
tgttagattt catcttaaaa tcaattgaca ttaagtgaag ttgtcaaata tatgtatata 360
agcgggtactc caaaacaaat aatatgagac ttggatattt ttcaataata tggaaacaat 420
ttgtgatacc cgggcatcat aaattgatgg tttt 454

<210> 7238
<211> 535
<212> DNA
<213> Glycine max

<400> 7238

cttcttggct gttgccttga aggacaagaa gaattacttt tttttttata cgtggctaata 60

ggcagcctta actccttcat atttggtatg caataaatga agaatgctta aattagggttc 120
 acttgtgttc tttcttttct ttgagttata cttagcagct tattaatctt gaatatctaa 180
 tattgaacaa tacttttttaa ctcttccaga tcaaataaaa agtaaattat tggattggcc 240
 acgacgttc aacataatac ttggaattgc aaggggacta ttgtatcttc atcaagattc 300
 tcgattaagg attattcata gagatctcaa agcaagtaat gttctactag atgaaaagtt 360
 aaatccaaaa atatcagatt ttggaatggc aagagctttt ggaggagacc aaaccgaggg 420
 aaacacaaat agagtatttg ggacttactg agtgtctgtc taattataat atacaccaca 480
 tttactattt atctattcat ttatatttgg gttaatgtga attgattgct ctaat 535

<210> 7239
 <211> 373
 <212> DNA
 <213> Glycine max
 <400> 7239

aacaagacaa caaaggaaga aagaaggttg tcttctaacc cggagattgg gtttgggtgc 60
 acatgagaaa agaaaggttt ccggaacaaa ggaaatcaaa gcttcaacaa aggggagatg 120
 gaccatttca agtggttgaa agaatcaatg acaatgctta caaagttgag cttcccgggtg 180
 agtataatgt tagttccacc ttcaatgtct ctgatttatc tctttttgat gcagatggag 240
 aattcgattt gaggacaaat ccttctcaag agggagagaa tgatgaggac atgaccaaga 300
 gcaagggcaa ggatccactt gaaggacttg gagggcctaa gacaagggct tgagcaagga 360
 aagccaatga agc 373

<210> 7240
 <211> 541
 <212> DNA
 <213> Glycine max
 <400> 7240

gggaattttt ttatatggta tctttataat ttctctatt catgaaacat tgtcatgtgt 60
 gtgtagggca catactgaat ccagcaagac atttgaggtc ttgaaatctc ggtatatcac 120
 ttttgtttca gcaactgtgaa gaaatgcaag ccctttggca gcgcctagag caactttcaa 180
 acgtagaccc caagaaagag gttgaaagta tgacctcct gttacagcaa ttaatcatgt 240

aaatgttatg cacacacttc tcaagttcaa caatgtgaaa agatgggaga tgaaaaactc 300
 actcatgaac aagtgattct ccaagctacc acgaggcata aattcataga ccagaagtcg 360
 gtctttatct tcaaagcaat acccaattaa ttctactaga tgaggatgag aaagctggcc 420
 taaatagttc acttcagcct aaaatagaaa agaaattaaa acaatgtaag gcaaaccat 480
 ataatggtag cacttaaact cttctctgtt tccaaatatt cataacatta ttaattatga 540
 a 541

<210> 7241
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 7241

ttttttactc tctcagctc taactctgag tggaacgcgc actgtggagg ttccctatcc 60
 ctcgaaaccta ggttcacat cactgagttt cccttttcag cttgtctacg atcccactct 120
 aatgcagcct tctgcttggc cctaagcaaa cagaaatttt gcaacttttc tggcattgat 180
 catgcacctt ccaccatctt gcgtgagcca cattacttgc aaactcctgc agatgtcacg 240
 ttccagttgc agtcgtagtc tcggagcaaa gccatggctt attaccagc aatggatgac 300
 ataaggattg gggatcactc aaagaacgag ttttattgct ttctctcttc tcatcacttc 360
 ccaaaggctt aagaaaacat gtgtt 385

<210> 7242
 <211> 497
 <212> DNA
 <213> Glycine max

<400> 7242

agcttgcctt gccctttgat aatatttgat gtgattcatg gccactatga atgacaaatt 60
 ccttgggata aaggtagtgc tgccatgttt tcaaagcccg tactgagaca tacaactcct 120
 tatcataagt tgaatagtta agggtaggac cacttaaatt ttactaaaa taagcaattg 180
 gatgaccttc ttgcaacaac acagcccaa tccaacatt tgaagcatca cactcaattt 240
 caaaagattt ttgaaagttt ggcaatgcaa gtatgggggc attagttagc ttttgcttaa 300
 gaacattgaa atcttcttct tgtttctctc cccatttgaa accaacattt ttcttgagca 360

cttcattgag aggtgctgcc aatgtgctaa aatccttcac aaatcgtcta taaaaacttg 420
 taagccatga aaactcctca ccttagtcat agacttaggt gtaggccatt cttgaatagc 480
 cctaacccttt tectcat 497

<210> 7243
 <211> 489
 <212> DNA
 <213> Glycine max

<400> 7243

tacggacctt aatctaactg tgaacaaagc cgcttggttt taaggaggat tttgaaaagg 60
 cctatgactc aatcttatgg gcatttttgg attatatgct gcaaagaatg ggtttttgtc 120
 ccaaattggag aactggatt tctgcctgtc ttaattcagc aagcatttca attcttgtga 180
 atggcagtcc taaaaggaa ttactccta ctagaggctt gaggcaaggg gaccctttag 240
 ctcccttact ctttaatata gttggagaag gcatcacagg attgatgagg gaagcagttc 300
 ataagaactt atatagaagc tatatggctg gaaagaaaaa ggaacccatt aatattttgc 360
 agtatgcaga tgacacagta tttgtgggag aggctgcttg ggagaatggt gttgttttga 420
 atgctatgct cacgggatct gaattggcct caggctctgaa gattaattat gcaaaaatcc 480
 aatttgga 489

<210> 7244
 <211> 358
 <212> DNA
 <213> Glycine max

<400> 7244

cattaaataa cttggtatta tatttatgaa tatgtatggc aaaattcaca taaataagat 60
 attcgctgat ggattattta ctaatagaca ttaacctata ttttattata gatataact 120
 aagatttaat cattttattt attagtacaa tgcggcaact aattactaaa atgtttgtgt 180
 aaaaatatta tatattaaca catgaattta aattaaataa attttattat gtcgtttttt 240
 ttaaagatcg gcgcgtatta ttattgttat taaaaaatat tgggcaacaa caatacatta 300
 aattgttaaa gtgacgagac gacctgatta ggaactcctc aatccacact ctcatgga 358

<210> 7245
 <211> 599
 <212> DNA
 <213> Glycine max

<400> 7245

cgaaggcgaa ctggatgcat tggttaactt ggtaacccat tatgctttta atcaaaaatc 60
 tgtacctgtc gcaaggggtt gtggtttgtg ctctctgtct gaccaccata cagacctttg 120
 ccctttcatg cagccacctg gagcaattga gcagcttgaa gcttatgtctg caaatattta 180
 caatagacct cctcaacctc agcagcaaaa tcaaccacag cagagcaatt atgacctttc 240
 caacaacaga tacaaccttg gatggaggaa tcaccctaac ctccagatggg gcagccctca 300
 gcaacaacaa cagcagcctg gtcctttctt ccaaaatgct gctggcccaa gcagaccata 360
 catttctcca ccaatccaac aacagcaaca accccagaaa caaccaacag tttaggcccc 420
 ttcacaacct ttcctctgag aacttgtgag gcaaataact attcagaaca tgcacgttta 480
 gcaagagacc agagccttca ttcagagctt aaccaaatta atgggacaat aggctacca 540
 attgtatcaa caacagtccc agaattctga caagctgcct tcttaagcta ttccaaaat 599

<210> 7246
 <211> 543
 <212> DNA
 <213> Glycine max

<400> 7246

agcttggtaa atttcggttt accaattatt ctttatgaaa actcatttat tgaccattat 60
 aaatatagta caagggtatc tagcaataac ttcaaaagct ccatttaaac aattatatgg 120
 acaacaaaac acaaaacgaa caagctgtaa cacaatcata attgctattt gttaatcaca 180
 cttaaacaaa agaatagcta ggcaaactaa aatcaccaac aatcacggac aactaacacc 240
 taccatttgg taaacaataa ataattctgc atttttattc aataaataaa cacttaaaat 300
 tttttcctga atttgaataa ataaattcac taaggtaatg ttgtcatatt tatatcgggc 360
 atcgactcga ttaagatact aagttactaa atcatgcac aaccaatga atcactaatt 420
 gactcccatg attcaaccta tattaaaaaa ttctaaataa tttcataacc tgcaaacatg 480
 tataacttaa gtttatcaaa attcatgaca agttttgaat tgtttaaaat tttgacaaca 540
 tat 543

<210> 7247
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 7247

tgcatgttag ctctttttta tttatttgca tgtagctttt cttatcctcc ctccgatatt 60
 atttagaaga cccaaatttg aaatgatatt tttttttta taagaatcaa tttataatat 120
 ttcttatatt aattattttt agactagaaa tgtctctaata taaaattgaa agaattgtatt 180
 gacaaacaat taaaagttaa aagagtatta atgacaagaa tagttttgga aaaattataa 240
 atttaagata aatttattgt tatgaactaa aataatcatt tttcttaatt gtgataaatt 300
 aggtacttgg gtcttatata taagatcaga tggattattt gaaaaatatt gttgattctc 360
 tcatgatatc aaaggtaagg tgggattttt atcattttgt taccatctc ttctgaataa 420
 ctagcataat gg 432

<210> 7248
 <211> 474
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7248

tgctacgacc ctaaaatgggc cttcctagtt gggccaagc tttcccttag ggatcttttc 60
 tggcttcacc tcagactcgc gacactaggt tgccagattg aaaggctcca agttgaacct 120
 ttgtattgta tctccttgat gctcggagct tggtttcctc ttctttgatt ttggaaatct 180
 cttggacgct atccttggtc tctagttcca cctcatgtt ctctttggtg tgttgttctt 240
 ggaacaacaa cctccttggtc gacagttccc caactttgat ggggattatg gcatctctgt 300
 tgtatgtgag tcaaaaagta gtttcggttg ttgttgtctg ggggaacag tgataggcca 360
 agagtatact atggagtccc tccttccata gacccttgga ctttgtgagt cttntgcgca 420
 cggcgttaat gataacccta ttatctgcct tcgcctgacc aataattttg gggg 474

<210> 7249
 <211> 521
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7249

aagataatcc tcaggcttgg ccaatgcaga ctgtttattg gaaacggatt ggactctatc 60
atttattatc agagcctgtg acatggataa caaaggagag aaatttttca caatctatag 120
attcctcaga ccaaaataaa aaatacaatt atgacgttga gtactcagtt taagaggata 180
tatctttcag agaggaaggg agggaaagag aaatacaggg ccaagtttca tttttgaaac 240
aatagttggt gtcagtgaat ataatcactt tattagaagt gcataacaca gcataactcac 300
atggcccttg tatttgtgag ctcgaggagaa atcaagcaag ggctgcaagg aatctttggt 360
gcgaaacatt attgatgaaa ggtggcgatt aagaaattgg acaccattgc caatggatgc 420
tgagcgggtt gggcgaggaa acgtggcatt aaatggctca aaatcaagct ccaatacaaa 480
attctcatta attcttaagc acaatacana acagaaacag a 521

<210> 7250

<211> 525

<212> DNA

<213> Glycine max

<400> 7250

gctttgagaa aacttccttg agaagctaga gcttatcttc tctcaccctt ctcataacta 60
ggctcacctc cttgagaagc ttccttagga agattcctaa agaaggttga gcttagctac 120
agatacatct ctaatagcta agctcacctc cttgagatga gaagctagag cttagctaca 180
cacccttat aatagctaag ctcccccca tgacaaaaaa catgaaaata caaaaaaat 240
tccttactac aaagactact caaaataccc cgaaatacaa ggctaaaacc ctatactact 300
agaatggcca aaatacaagg cccagacgaa ggaaatacct attataatat ttacaaagat 360
aagcgggctc atacttagcc catgggctcg aaatctaccc taaggctcat gagaacccta 420
gggccttccc ttggatctct agcccaatct acttgagtc ttctacccaa tgcccttgcg 480
gggtaggatt gcatcaagtg ccttcttggg tttcaagatt tgaat 525

<210> 7251

<211> 499

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 7251

agcttgtggt gcaaaagatt acatctattc ttaagaattt ttgatggggc agcctccaag 60
actccattaa gattccttgg gtgaggtggg acatagtctg cctacctaaa agtaaagggtg 120
ggttatggat caaagatttg attaaattca acgaggcttt gcttgctaaa tgggggtggg 180
agttggcaaa taatcagaat cagttgtggg ccacaattct attgtgtaga tatggtgggt 240
ggagggattt gatttctcat aggaactgca gtttagactc tccttgggtg aaagacctca 300
agggtatctt caagcagcag caaaagcaac acaatttgta aaaatagctt tatttatgcc 360
ataggttaagg acggtccatg gaatacanac caagtactta ttggttgacc acaaacaaaa 420
cactcattgg aatatatatg ttttaacaatt aacataaact cgctgacagg aatggagaaa 480
tatacatatt aaatttttc 499

<210> 7252
<211> 400
<212> DNA
<213> Glycine max
<400> 7252

agcttataat attgcagcaa tatttatattc catcagcccg agaactatca cgcttagttg 60
gagtctgcaa agccccaatc attcaacact ttgctgaaac aatttctggt acttcaacta 120
ttagaagctt tgatcagcag tcaagatttc aggaaacaaa tatgaaactg actgatggat 180
attctcggcc aaagatcaat attgctggtg ccatggaatg gttgtgtttc cgcttggata 240
tgttgtcttc tatcacattt gccttttctt taatattctt aatatctatt ccacagggat 300
tcatagatcc acgtgagtta ttcttatctg ttacaaatca aaatttaatc tgctattcta 360
atatggaatt gaacataatt gtttctcttt tataactttt 400

<210> 7253
<211> 595
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7253

ntaatgtgtt ctcccttata gaactactaa ctgtagtaac atttcagcc cagctatccg 60

gtagtgatga caatagaatc aatgccttca cctcatcctc aaatttaatc tgcactgact 120
ccaattgggc aagaatagta ttaaattcat taatatgatt agttacagag ataccttctc 180
ccatcttgag gttgaacaat cgacacatca agtataccat gttggctgca gacgacttct 240
cgtacatagc tgataatgcc ttcattaagt ctgcagtagt cttctcattt accgtattga 300
atgtgatatt cttggctaata gtcaatctga tcacgccaa agcctgtcaa tctagcaagt 360
tccattttta ttgccttatg ttgtctggct tatccctga cgagagagaa taatgagaag 420
agaaaggaat aatgagaaga gagagaagac acaaagtttt tacatgggtc aacacacaat 480
gtatgaccta cgtccatggc taccttagaa aaatttcttg ttgttgaca ttttaaagct 540
tacaagtgtt ctattattat acactaatga gacacaagtt taaaaccaa gcgat 595

<210> 7254
<211> 460
<212> DNA
<213> Glycine max

<400> 7254

ttagatacc tgagactagg ctcaggccct ttgatttact ctatattaca ggtgagcgag 60
cctattagca gtgaccctt tgttctaata attattattt gtgttggtgc tcatgaagca 120
ctatctagta tgaattttaa ttggttgcaa taggatttca atgtaaaggt gaattttttg 180
gagaataatt ttcctttgat cttacttcgt ctgctgaatt cctaaggata attgttggtc 240
tgggttttcta tataagccta aggaatcaat cctgggaaac cctatgatcc ggattcccat 300
cggatctagg gtgaaccaat ttggcgttcc tgctttgcac atgataaaga atgttggtt 360
gatagttacg ttcatggttg agataatgga tcacaacaca aattgcattt ctcatagaat 420
acatgcatac agtttttgtt acatgttcaa atattatttg 460

<210> 7255
<211> 463
<212> DNA
<213> Glycine max

<400> 7255

tggaactaag cttattttct ctaccacttg tcattctttt actgatgggc aaacaaaggt 60
agtgaatagg tctttatcta cgtttttaag ggctcttctg aagggcagcc ataagtcttg 120

ggatgagtat cttcctcatg tagaattagc ctacaacagg ggggttcata gaaccgcaa 180
 gcaatccccct tctgaagttg tctatgggtt caatccccta acacccttag acctcattcc 240
 cctcccactt gacacttctt ttatacataa agaaggggaa tataggtcag agtttgtaaa 300
 gaagttgttt gagaggggtt agcgcctaata agagaaccaa acaaagggtgt attaaactaa 360
 acgcaattaa ggaagaaatg agctatttct taatgaacgg gactgggttt ggctcatctt 420
 acagaggata gattccatac taaaaggaaa tccaagctaa ccc 463

<210> 7256
 <211> 401
 <212> DNA
 <213> Glycine max

<400> 7256

cagctttgga gtttccaagt gccattctt tttcttctt agaccaatct tcttctggct 60
 tcaattcatc agagggcttt cttctgtgt ccagcatctt gggatgttcc caaccttga 120
 agacagcttt ccaggttctg ctatccagt atttgaggaa agccaccatc cttgctttcc 180
 agtattcata gttggttcca tctaagattg ggggtctggt cactggctct cttctttct 240
 ccatgttcat aagaatttat ctccctagat ctactcagt gatttcgagt gcccgctctg 300
 ataccaattg aaattctgat actggggaca gatgtcgac aagattgtac gacatcacgc 360
 tgcagattgt gtttgactgt gtgaacacat taaaccagct c 401

<210> 7257
 <211> 508
 <212> DNA
 <213> Glycine max

<400> 7257

agcttctcta gaagcacttt tacgaaatgt atttgtgaag aaaaaataaa ataaattttt 60
 ttataagttg aaattaattc tccattaatt aatttgtaga aattttcaca taatttcttt 120
 gaaagatgaa aggatatttg taaattagtt aatggtgagc taattttatc ttatgaagaa 180
 atacatttca tttttattta tttatttctc tcctaaaaat actttcttaa gaaatttatc 240
 caaacaggta tttatcagat taaattttga aagccctaaa cttttttggt cttgaactca 300
 ttattctagt tcaaaggagg tcctttaaaa tttccttaa tgtaatgagt cctatacaac 360

tatgacatgg ggccataaag tatctcccca aaatcttagt tattaataga ttcaagatca 420
 attatgctg tacggttttt gccaccaat ttgatgtagt ctatcacttg gcaccgatgt 480
 tttatttttt aattttgttt tcagtggc 508

<210> 7258
 <211> 393
 <212> DNA
 <213> Glycine max
 <400> 7258

gcctttactc tgatttgctc tgacaggatt tttcttctta aaaaaaaagg gaagagatta 60
 aagtctgcat tttatattgt ctccgatcga ttcccttttc tcttttgatg aatattattt 120
 ctcaaatccc aatggtgaag tagtgtgaaa ttaaatttct aaccaagggg ctaaatttca 180
 tgatgatcca acggttatta agtccgagat catagcttta taggacagggt tttgaatctc 240
 tatgggaaaa gaaaaagtta caatgcgaaa gttttttatc tctaacattg tttcacaatt 300
 tacaacagcg agaatgctaa aaatgcgtct caaacctagt gttaaaatat cacgatgatc 360
 aaaccgttaa caagtctgag attggctcgtt tac 393

<210> 7259
 <211> 538
 <212> DNA
 <213> Glycine max
 <400> 7259

ttagtttcaa cacaagcagg ttgcccaagt atacaaattt ttatgtatgg ctctctttat 60
 ttttaataaaa tctttgtagt tttcttaatt ttaataacaa atttttcaaa agctcccatc 120
 aggaactgtc cctccaagaa gttgacgcac tattgatgat gaatgtttac tataggcaga 180
 ttagaaattc aatattcaa attcaacttt taaacaatgt gtatgaacac caaaagcagt 240
 aaaaggggta aacacataca gaatttttta gctgtgcacc agacccaaag cttaaattctc 300
 ctgctggaat tggcaaaacc ttcgaattca caatagggtc tgatatatga tcagtccgga 360
 tctcaagggc cgactcccga agaagagcat tgaacatggc aacatctagt ctagctatgc 420
 attgttccat gacctggtaa aggaatttaa tctactttaa tctgaccaa agaaagggaa 480
 gttatttaca cttgcagaat ggaacgatat cattaataat aaaaaaggcc cccatttt 538

<210> 7260
 <211> 468
 <212> DNA
 <213> Glycine max

<400> 7260

tctggttagga catcttgact tgctttccaa tctgacattt accacagatt ctgccttctt 60
 ctatttttcag attgggaatg cctctaacag cacctttgtc aatgattttc ttcattgcctc 120
 ttaagtgcag atgtccaaat ctttgatgcc atattttgac ttcattcttct ttggaggata 180
 gacatgtgga ggagtaactg gtttcttgag gtgtccatag gtaacagttg tcctttgatc 240
 tgctgccctt cattagaact tcactcttct catttgtcac caagcattct gactttgtga 300
 agtttacatt gaatccttca tcacacaact gactgatgct gatcaagttt gcagtcagtc 360
 cctttcccag cagtactttg ttcagactat gaagtccatc atggactagc ttttccattc 420
 cagtgatcat ttcttttagag ccactcctcaa atgtcacata cctagtgg 468

<210> 7261
 <211> 575
 <212> DNA
 <213> Glycine max

<400> 7261

tcaagctgct caattgctcc aggttgctgc atggaagggc atatgtctgt atggtggtca 60
 gcagaggagc acaaaccaca aacccttgcg acaggtaaa atttctgatt caaggctaac 120
 tgggttacca agttgaccaa cgcattcagt ttgccttcaa gcttcttagt ttcagatgat 180
 gcagatgggt ttgtagctac ctcatgcact cctctaata ga ctatggcatc atttcaggcg 240
 ctaaactgct gggagttgga ggccatcttc tcaattaaat ttctggcttc agcaggagtc 300
 atgtctccaa gggctccacc actggcagca tctatcatac ttctctccat attactgagt 360
 cttcataaaa aatattggag aagaagctgt tctgaaatct gatggtgggg gcaactggca 420
 catagtttct taaatctctc ctagtactca tacaggctct ctccactgag ttgtctaata 480
 cctgagatat ccttctgat ggctgtggtc cttgaaagcc aggaaatttt tttctaagaa 540
 tactctctta aagtcatccc acctcgtgat ggacc 575

<210> 7262
 <211> 473
 <212> DNA
 <213> Glycine max

<400> 7262

ttgcttctca agactcttgc acaggagtag atttctatat tatggcaagc tgagttacta 60
 ggttgaccaa ggcacaaagt tttccctcaa gctttttatt ttcagcagat gaagatgaat 120
 ccgtggccac ctcatggact cctctaagga ctgttgcac aagtggcctc agaataatta 180
 agaagggggg gttgaattaa tcattcctaa acctttacta attaaaaaat tactcttcta 240
 aggcttttac tatgttgta agtaaataaa gagtagaaaa gaaacttaac caaaactaaa 300
 agcaggaatt aaaatgcaca gcgaaaatta aaagtgtagg gaagaaggag acaaacacac 360
 aagagttttt gtactggctc gacaacaacc catccctaca tccagtcctc aagcgaccta 420
 tggtccttga gatttctttt ccaaccttgt aaaaatcctt ttacaaacaa aag 473

<210> 7263
 <211> 343
 <212> DNA
 <213> Glycine max

<400> 7263

aaaataacgc gattccccctt ttgtaaacac aaaaaggcca tagtctagaa ttaacaaaga 60
 aacagaaaaa ttcacaaatg atattcaaaa tcaaaacatg cggtactgtt ttagcaatcc 120
 aatgtggtag tgaaaagaca gataaagcat aaaagaagta aatcgaacaa gacagtaaat 180
 accaccacag tgaagctgct ttgagttaat gaagtctagg cacttcgtaa tcttgctagt 240
 ttcgaacttc acaaaatgaa gccttcacc aagaatagga tagcttctcc tgttaccatg 300
 gggcggaat cccagtcgat tattcacatt tatcatcctt tta 343

<210> 7264
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 7264

agcttaacac attgtttgct tctgtctatt attgatggta gccctaggta cttgcgtctt 60
 cccaattgat tagtgacccc caaagatgag atgttttgct tgagagcttg agaggtgttg 120

gtgctataga atatTTTTga tatacaaagg ttaatcgttt gccctaatgc tttctcataa 180
 gtgttaaaaa tatctctcaa ataatcatca acaaataaaa ggtgtgagag gcttggaatc 240
 cctctataca ccttgacacc atgaatctat ccttcacttt ttgctctcct taagcgtgtg 300
 gaaagcctct ctttacaat aatgaacaaa tatagtata cttggtgacc ttatctaaga 360
 cctctcccat gaaaaatatt tctcatagga ttcccattta ttatgataga atagtgaact 420

<210> 7265
 <211> 502
 <212> DNA
 <213> Glycine max

<400> 7265

tgcccttgaat tatattaata gttgaattac ttagaaattt tctttgcttt attataattt 60
 tagtattttt ttaatttatt ggtctaatag ttttaaagta attacttaga aattattatt 120
 tattatttat catcttttca ttttcataaa atattgaaac tttttctata cctatgtaaa 180
 tataatttaa ttatatattg atatctatat gtaaatttac cagtataaaa attatgtata 240
 aataaaactc aagagataaa catcttttta tgaaatcaaa tcagattttt tttatccgta 300
 atcaaatagg aaaatttaac ttttaacttaa gagaatgaat attttctaca aaatttttat 360
 atttaaactt atttgcatt tatattaatg aaaataaatt cttatatata ataattaatt 420
 atactaccg tgcattgaca atttgttgct catataattg aaagttattt gcatagaaaa 480
 tgctaattct tatagttaat at 502

<210> 7266
 <211> 594
 <212> DNA
 <213> Glycine max

<400> 7266

agcttctcat caagtaacat tcttgagatc ctctccccag gccttcttga cttcccttcc 60
 cttgctctta gccctgtcac acaatttaat gatgacccat ttgacaagtc ctctccttca 120
 ttgggggaact catcagagga ggataaaccc atagctgaaa gggcttctac ttgcatccct 180
 ctcccatctt taatccaaga gactcagaac catagctctt gcctcttttc ccagttactc 240
 acctagagtc tcatcggaat caccttcttg aggacattgg agaatagatt gtgttctga 300

gttatggatg atttaaatag agagagaatg gttggtggtt aattacatca tgggtatctt 360
 ttttatttga atggttcacg gtttcctcca tcaacaagaa ctattgtagt ggtactactg 420
 gtggtgacag tggaacaaga agcagtagtg ggaattaag gctttgtgaa agacaggtag 480
 cctttcattt tctttattat ggatttttgt ttgggagagt aaagtgcata accttctttt 540
 ggtacttgat ttgaagaata attgatactg tctaatacta aagaacacat tttc 594

<210> 7267
 <211> 134
 <212> DNA
 <213> Glycine max
 <400> 7267

ctgtgcagca acttttacga tggaccttct ctagctcagc agcagtatca cctcgggcta 60
 aagattgtga cctcttcagc tacagataca accctggatg gaggaataac cctatcctta 120
 tatggttcaa acct 134

<210> 7268
 <211> 385
 <212> DNA
 <213> Glycine max
 <400> 7268

tgccacttcg tcctcttttg tatatcacc cacttgaggg ttcattcat cactggactt 60
 tccttgtgtg tccatcctct tgggatgttc ccaaccttg atgaacagga cctcagggtc 120
 tgctatccag cgattcgacg aaggccacca ttcttgcttc tcagatttca tagccgcttc 180
 catcaaaaag aggtggtctg ttcactggac cttcttcatt ctccatgctc atcacaattt 240
 atctccccag atctcactct gcgatttcga gtgttggttc tgataccaat tgaaattctg 300
 agtccgggga cagatgtctg acacgatgtc acgacatgac gcttcataac atgcacatag 360
 tgtgtggccg tatgaacata ttaaa 385

<210> 7269
 <211> 616
 <212> DNA
 <213> Glycine max
 <400> 7269

tgtaactaga tgctattgtc ctacaacaga tgttgcggtct tagggcattg aaagccggac 60
 tgcagcaatc ccaaataaag atttttgggtc tacctgtccg accttccttt gttaagcctg 120
 tccggccaaa ggtatgcaat attcttatag ccatgaatta ttcgcaaatt tatttacaat 180
 tcttggaata caacatgctg tgctatatat attattccca aataaatgta agtggattgt 240
 ttgaaatggt gtaataggat aataggaatg atccagcctc aattaggaga agtaatttat 300
 ttacgtttc tcaagttatt tttagagaaa ttatagccac ttgcatgttc catgccaata 360
 gtgctcactt gagctaatag taatgggtgc ctgtaaacia ttatttcttc ccttgtcagc 420
 atatgaataa gtgaatgatg gcgtttaagc cataatcaaa tacgaaatag caaataagtt 480
 aatgctaaaa ttaatagctt tgggtgtgtt ccgtgttccg attctatgac tgcaagctgt 540
 agtgcaggat tggaaccttt tgggtcgcgta tgtcattaca gttcctcaaa gctttaaact 600
 acctgatgca tattca 616

<210> 7270
 <211> 613
 <212> DNA
 <213> Glycine max
 <400> 7270

agcttaaaca aacacgctaa gatctctttt aatattttat atatatatgt aactaaacia 60
 atgatcaatc ttaatcaaca cttttttttt ggaaactctt actcaacata tttaaagaat 120
 ttaacttcaa atttatcatt taaggatgta tacttaatta gcacgttcaa gagttgaaga 180
 tttagataaa tttgcctcaa atattaattt aacttaaaaa tgacaaaagg aagggtcaaat 240
 gtcttgctta ggttaagttt ctttgaaaag ttctaccatt agagaaaata gtattttcta 300
 gtgtagtgct tctctagtgt agtgttttac tttctactat ttaatgttat aatttattat 360
 attatcaagt atgtgaatta attggtgtga aattatttta atttaattag aagtctcaga 420
 tttgagtgat tgcttttggg ggagaatatc tatggtttta gccaaaaaaa taatattata 480
 ttttattata ctaaatacta ctaataagaa tgatgtagtg gcataggaaa aaaagaatga 540
 gagagaatgt ggggttcaaaa ttctccacta acaaaaatta ataatactaa ttattaatat 600
 ttatcgataa aaa 613

<210> 7271
 <211> 482
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7271

atccaacgct catgttgggtg gtgaagcaac ttcattccatg gctgattccc tagtgcattgg 60
 tgctgcctct tacgcattggc cgattgtctg ccactgcacg tccatagtgg ataattgacga 120
 ttactggacc gcattgactc tcacctatac ggccttcata cactctccac tgacaatcat 180
 acatcaggcg atgcgtcgga tctctggccc aatgtactta ggagtctaaa agcaaactgc 240
 tagattggcc taagcggtttc aacattatct gcggaattgc tcgaggtctt ctttatcttc 300
 atcaagattc tagattgagg ataattcata gagacctcaa agcaagtaat gttttgctcg 360
 atgaccagat gatccctaaa atatcaaagt tttgcattgc tagattatct ggaggagagc 420
 cgacagaagg aaatacaaat cgagttgttg gaacttanta agtattatct taatatcaat 480
 ct 482

<210> 7272
 <211> 593
 <212> DNA
 <213> Glycine max
 <400> 7272

agcttaaaca aacacgctga gaacgctttt ttatatttat atataaaggc aactaaacaa 60
 atgatcaatc ttaatcaaca cttttttttt ggaaactctt actcaacata tttaaagaat 120
 ttaacttcca atttatcatt taaggatgta tacttaatta gcacgttcaa gaggtagaaa 180
 tttagataaa tctgcctcaa atattaattt aacttaaaaa tgacaaaagg aaggtagaat 240
 gtcttgctta agctaagttt ctttgacaac ttctaccctt aaagaagata ataatttcta 300
 ttgtaatgct tatccattgg acagcttact ttctactcat taatgctata attaattata 360
 ttatcaagaa tgtgaattta ttggtgtgaa attattttta ttttaattac aagtctcata 420
 cttgagtgat tgctttttgt ggagaatatc tatgggtcaa gccaaaaaat taaatttata 480
 attcattatc ctacatacta ctaatacaat tgatgcattg ctctatgaaa aataaaatga 540
 taaaaatgtg gggtttcaatt cttcccctaa caaaaataat cataacttaac tat 593

<210> 7273
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 7273

ttatgaacat atcagcagga ttgtgtagag tgctaattctt atgaactttg attcttcttt 60
 ctaaccgaat gaagtgatat ctaacatcta tatgcttggt tctatcatga tgaacttgat 120
 ccttggccaa gcatatagca ctaaagctgt cacagtagat gttagcatat tcttgattaa 180
 ttccgagatc atttatcaga cctctaagcc aaattccttc ctttgcagct ttagtaagag 240
 ccatatattt agcctcagta gttgagagag caaccgaagg ttgaagtgtt accttacaac 300
 tcaccaagcc gccaccaaag gtgtaagcat accctgttat gaccttctct tgaccagatc 360
 agcagcgaaa tctgcatcag aatagccagt gaggcagcaa tctgggtg 408

<210> 7274
 <211> 352
 <212> DNA
 <213> Glycine max

<400> 7274

cagaacttgc ttaggaactt agcatcttta tctagaccac tggctcctaag caaacatgg 60
 agtcacacag cttccctcca ataaagattt gagatatggg aaacgtcctc caccttgttg 120
 catggcctaa agtgtgcat cttgctaaac ctatccacca ctacaaagat agagactaca 180
 cctctatggg ttctagggag cccaatgaca aagtcatac tgatgtctac ccaaagtgc 240
 aatggaatgg gtcaagagtg tgatagccca tgaggcatca ccctaaactc aggctgttaa 300
 ctagccacac acctactgcc atgcttatag acatttttct tcatatgggg gc 352

<210> 7275
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 7275

agctctgatc gagtgtctata aagcaaaatt tgtgaaccat tgggtgcttca tcccaaataa 60
 ttagacttgg ctgatttaac aattctgcta atagactccc ttgatgtatg ttgcatgttg 120

agttttcaaa acttggtaca ggaatcttaa atttggaatg tgcagtccta cctcttggca 180
acaatagaga agctatgccg ctagaagcaa ccacagtaac aatttgattc tttgctctca 240
atgaactcgt caatgttctc catatgaatg ttttctctgt tccttcaaat ccatatagga 300
aaaacatgcc gccctcgatg ttgttgacag cttgcataat tcgggtgtga attgatcttt 360
gtccatctac aattatggat cagttaacgt tatatacaaa tgaacaataa ttaatttt 418

<210> 7276
<211> 538
<212> DNA
<213> Glycine max
<400> 7276

atgagtggag ggaaaaaatg actggaggga gaaggagccc aaaagaggtc tgaactttga 60
agtgtaattc tcaaatgatc aaagttagaa aaatgcccac acatggcttc tatttatagc 120
ctaagtgcc acaaaaaatt ggaggaaaat ttgaatttct attcaaattt cacttgaatt 180
tgaaattgaa tttgtggagc caaattttgg aacaaaaatt tcactaatta tgattagtga 240
attttagcta tggttcaacc ccctaatacca agatcaaacc ccaaattctc cactaagtgt 300
gcttacgtgt catgagacat tgtaagcatg aaagacattc ccaaagtgtt actatatgat 360
gtgaccattg ggggtgtagc tgcaaagtct cacctcccc tctataattc aattggattg 420
gacttctccc aattcaattt aattttattc ccaccacca cattcaatat tcacttaacg 480
cctaataaaa tttaagccta ccataatac aaaaactagt cttagggccc taaaatac 538

<210> 7277
<211> 629
<212> DNA
<213> Glycine max
<400> 7277

agcttgtaat tgattaaacc gatacgagac acttttttgc aagattaaac caacttgtgt 60
aatcaattaa tgtaagggtg tgatcgatta aaatagaaag ttttaccttc taaagaaaat 120
tttgtaactt tagaaatttt ctacttactc ctacatgatg atgcatgatg catatatgaa 180
atgatagaga ctaagatgca acacacaata caacaatcaa taaaaatgcc actaaagagt 240
gttgggatgt gaaagaaaaa acttcttcaa gctcttcttt aagcttcaag gttaagtctt 300

catgttgctc ccctatctct aacacaaata acaaccatca tattaagatt aaaaataata 360
 gatgattgag attcacatat ttaaatttca aattaaaatt gaatatatca tcaaattctt 420
 gaaagattaa ccagaaaaca aaccaatcta ttaagatctt agttatcaca ttctaagata 480
 tctgaattaa ccatcaccct gattataaca ccctgagata ttataagtta taaatcgaca 540
 tttattttta tttattgtgt ggttgactat atgatagact tgaatgagtc gaattatgtg 600
 gagtcttttt tagctaagtt gaaattatg .629

<210> 7278
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 7278

ttggccttga agctggttgc tttggatgca aatcctatgc aaacacaccc taaattgagt 60
 aagtgcctta attagcattg agtctctggt aagggtcaaa gggtaagatt ggagctttgt 120
 cctcattcca gacctcatca atgtattgca ctataattgc agattcacaa atgggcttgc 180
 cattatggat cagaactgga attttcttga gaattgagtt catttgcgaa gcacaggact 240
 cttgttecta agaatctctt ccttgacacc ctgttcagct aatgcaatcc taaccctcat 300
 tccaaacatg ctagcccatg taccctacag aacaacctcg tctgccatcg ttgcaaagga 360
 tcacaaaaac accaactcat gttatgaact tgccaaacag ttagatatg ttgtggacta 420
 acacgaca 428

<210> 7279
 <211> 588
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7279

agctttttaga ctcaggcgtg aaccctacct caccaatatt gagagacaat ttttacaatt 60
 aaattaagaa gtaccattca tataatatct cacattaagt acaataatgc aaaaagaaga 120
 aattgaaaat gggaaacaaag ccaagatgaa cctgtatcga aaagagcaac aattatgtca 180
 ctatttgatt tcaatcttct cttagcaatt gtaggtaacc caatgaagtt ccatgatctt 240
 gttgtgtgca gctggcagta ctggttttga aacaccaaga gcacttcac catggatata 300

catgcaaaaa ggggtaataa cataatatat agtatttcaa agaaagatga aagagctaga 360
gaaaattgaa aactatctat accagataac tnttttgctt catcctctaa cagttttgca 420
gcaaatgcat ttaaggtatt tgtgtaacta tataccatga attcttttgc ttcaaggaag 480
ctaagtaagc acaaaccana atccaaatga ttttaagccaa aaggataaaa atagagaatt 540
caaaaaaatg cttctcacat ggtttaagag ggtgggttta ctttttta 588

<210> 7280
<211> 548
<212> DNA
<213> Glycine max

<400> 7280

agctttttaga ctcaggcgtg aaccctactt taccaatatt gagagacaat ctttacaatt 60
aaattaagaa gtaccattca tataatatct cacattaagt acaataatgc aaaaagaaga 120
aattgaaaat gggaacaaag ccaagatgaa cctgtatcga aaagaacaac aattatgtca 180
ctatttgatt tcaatcttct ctttaacaatt gtaggtaacc caatgaagtt ccatgatctt 240
gttgtgtgca gctggcagta ctggttttga aacaccaaga gcacttcac catggataga 300
catgcaaaaa ggggtaataa cataatatat agtatttcaa agaaagatga aagagctaga 360
gaaaattgaa aactatctat accagataaa ctttttggtt taatctctaa cagttttgca 420
gcaaatgcat ttaaagtatt tgtgtaacta tataccatgg aatctttttg cttcaggaag 480
ctaagtaagc acaaaccana atccaatgat ttagcccaag ggataaaatg gagaattcaa 540
aaaatgct 548

<210> 7281
<211> 527
<212> DNA
<213> Glycine max

<400> 7281

tggcgataaa ctttgttgtg agagctaaaa gtaacagtga caaatacttg taacttttgt 60
gaaattagtg aaacttgatt gctaaccana aactgaactt agtctgaatg gtagagacaa 120
accaatataa atatgggtct tactttcttt ttagttatct tttgtcttaa actgacatag 180
tatttgaatt tgatcttgtt tgaaaaacat attctatttt ttaaaatag tttccatcgt 240

ctaaacttgt ttttgcgcaa atttgttatac tcgttttatt aagttataact tcaaatagata 300
 actttaattt tcacgaaaaa agacttaaga aaattctaaa attacaattt aaccccttat 360
 gatatttcta attgtagtta ctttttttaa gactttactt ttgatcactt aataacattg 420
 aaattcatag tctattaaat ttattattaa ataacctaat tattgcacag agtttttgtg 480
 gagacgactc tatttatcgc tattgctacc tgaaggattt aatactc 527

<210> 7282
 <211> 490
 <212> DNA
 <213> Glycine max

<400> 7282

agcttcttag tttcagatga tgcagatggg tttgtagcta cctcatgcac tcctctaattg 60
 actatggcat catttctagc actaaactgc tgggagtggg aggccatctt ctcaattaaa 120
 tttctggctt cagcaggagt catgtctcca agggctccac cactggcagc atctatcata 180
 cttctctcca tattactgag tccttcataa aagtattgga gaagaagctg ttctgaaatc 240
 tgatggtggg ggcaactggc acatagtctt ttaaatctct ccagttactc atacaggctc 300
 tctccactga gttgtctaata acctgagata tccttcctta tggctgtggg cctggaagca 360
 gggaaatttt tttctaagaa tactctctta aggtcatccc agctcgtgat ggaccctgga 420
 gcaaggtaat acagccagtc ctttgccact ccctctaattg agtgaggaaa agccttcaga 480
 aatatgtgat 490

<210> 7283
 <211> 502
 <212> DNA
 <213> Glycine max

<400> 7283

agcttcacga gttgtcttct ccagataatc tctagcaatg tgcattttct catcagtaat 60
 atacctagca atagcaacat cctccattct atccaacagg ggattaggta tcatttccac 120
 aaaatttgta gtgcaaacia aaagaacctg caccgagaaa aacaatacgt tcaagaatta 180
 cttgaccatc ctaagaacta cctatcaaca atgaacacia ctaataacca aacaaaaatg 240
 ttgactatat cacaacctca ctattaaggc tccaaattat caaataaata cctttgatag 300

atcaatggtg acatcaagat agtgggtccag aaaaatagca ttctaattctg gatccagaag 360
 ctctaacaaa gcaattgctg gatcactaac atgtgctctg cccaactaca attgaataaa 420
 aagataatag cgctaaaatc ataatttttt ccttgatatt tacaagatta taacccatgg 480
 gtaaattaat gaaactgaaa tg 502

<210> 7284
 <211> 486
 <212> DNA
 <213> Glycine max

<400> 7284

agcaggcatc catgtcgctg cgttgatgag cgagtgtttt ctaacttgaa ttcaatgaaa 60
 caaaatcctg atagctgccg atgaatactc tgcatagctg atattaaacc ttgtgggaca 120
 cttgtatttc cctttacacc agagaatttt cctattgact gctatatgat acctatagaa 180
 ctaacacttg ttgtcattta aatgacagat taccgggtca ttacaaatat gtcgactgtc 240
 aatgatcaat atctaacagt aatgagaatt caatttctgc agaggaagag gataacatca 300
 tagtttcagc ccatgcaatc catggaaaca aatgggcaat aattgctaag cttcttccag 360
 gtagaacaca ctatgcaatc aagaatcact ggaattctac actgacgcgc aagcgtatgg 420
 aaaagggaaa atatgtccca gcacatgctg atgtgatcga aaaagggtact ggtaactttt 480
 aaaaaa 486

<210> 7285
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 7285

agcttggcaa actattgttg acacagaagg gatattttct ctagatagaa gcataatatt 60
 atctgcaaaa gccaaatgag atagctgaat acctgcacag ttgggatgaa atttaaaatt 120
 ggcatcatcc ttgaggctgc tcatattctt ggaaaagtac tccaaacaga gcataaacag 180
 ataaggggag agaggatccc cttgtctaag acccgcgtac cttttgaagt gaccataaat 240
 ggatctattg actgccacac taaaagaagt ggaagaaaca cattccatga tccaagttca 300
 gaactggggtt aggaaagcca tggacttaag cattcaatcc aagaattccc ggaaatggaa 360

<210> 7286
 <211> 480
 <212> DNA
 <213> Glycine max

<400> 7286

agcttctgag ttaaaagtta ttgcagtttt tatttgctac aagcttccgc tttcaactac 60
 gagcgtctcg atatattact ggactcaatc gatcatcaga gcaaaaagtt attgtcgtta 120
 gaatttggtc agtgcttccg ttttcaattt ggagcgtctc gatatattac gggactcaat 180
 cggacatccg agtaaaaagt tattggtggt agattttgct catagcttct atttgaattt 240
 gctacgagct tgcgttttca atttggagcg tctcaatata ttacgggact caatcggaca 300
 tccgagtaaa aagttattgt cggttgaatt cgctcagagc ttctattctc aattttgagt 360
 gtctcgatat attacaggac tcaatcggac atcggagtaa aaagttattg tcgttagatt 420
 ttttcagagc tcccgtttca atttggatcg attcgatata ttacgggact caatctgaca 480

<210> 7287
 <211> 501
 <212> DNA
 <213> Glycine max

<400> 7287

agctttgatg caacatttgg agaggttaat gaaacaacta gatgatgcgc tccatgagag 60
 gttggatcaa atggtgaata gagatcataa tgaataagaa aggacgagaa aagggaaatga 120
 tgggtgttct atacaaaacc gaattgatgg tattaaactc aacattcctc catttaaagg 180
 aaagaatgat ccggaggcct acttggagtg ggagatgaaa atagagcatg ttttctcatg 240
 ctacaactat gaggaggacc agaaggtgaa gcttgccgcc acggagtttt ccgactatgc 300
 tcttgtgtgg tggaacaagc tacataagga gagagcaaga aatgaatagc caatggttga 360
 tacatggaca gagatgaaga agatcatgac gaatcggat gtgccggcta gttactcaaa 420
 ggacttgaaa ttcaagctcc aaaaactaac ccacagcaac aatgggggtg aggagtattt 480
 caaggaaatg attgtctcat g 501

<210> 7288
 <211> 519
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7288

tgtaatagaa gaaggaagtc cctggaaaat tcacatggtc ataatttttt gctcggatgt 60
 ccaattgagg ccataatat atcgagatgc aggaaattaa gaattgcagc cccaagaatt 120
 tagacggcca taacttttga ctcagatgtc caattgaagc acataatata tcgagacact 180
 cgaaagtcaa caagaaagcc cggggcaatt ccaaacaacc acaacatttt atttagaagt 240
 ccgattggac ccataatata tcaagacact aagaaatgaa caaaagcctc ctggaaaatt 300
 caaacgggca taacttttaa ctcaaatttc cgattgaggc ccataatata ttgagacact 360
 caaaatttaa caaggaagca tttggaaaat tcaaacggc cataaatttt tactcagatg 420
 tccgattgaa gcccataata tatcgagatg ctcaaatttg aaaatgaaag tgatgcaatc 480
 ctacctcctt agggcattgg atacaagact ctatgaaga 519

<210> 7289
 <211> 525
 <212> DNA
 <213> Glycine max

 <400> 7289

tcaagaatca agatcaagat tcaagactca agattcaata atcaagataa gtatgaaaag 60
 gttttttcaa aaactgagta gcacatggat ttttctcaa acatgtttac caaagagttt 120
 ttactctttg gtaatcgatt accagatggg tgtaatcgat taccaatagc aaaatggatt 180
 tgaaaaagtt ttcaaatgaa ttacaacgt tccaattgat ttcaaaaagc tgtaatcgat 240
 tacaatattt tggatgatga ttaccagtgc ctttgaacgt tgaaattcaa attcaaaagt 300
 gaagagtcac atcctttcac ataaaagctt tgtgtaatcg attacactga tttggcaatc 360
 gattaccagt gattgtttct gaataaatca aacgatgtaa cttttcaaatt ggtttttgac 420
 tttttcgaat aggatctaag ttttataaaa gttataactc ttctacatgg tgctcttgac 480
 cagacatgaa gagtctatac aagcaacgct ttgtttgcat ttcta 525

<210> 7290

<211> 525
 <212> DNA
 <213> Glycine max

<400> 7290

agcttctaaa ctttgtacaa gaatgaagct ctgataccac ttgttagaca agtggcctca 60
 gatattctta gaaggggggg gttgaattaa catattcgaa actttttccc ctaattaaaa 120
 atctatctta ctttttactt aaattatgaa ttccttaat gacaatcttc ttaaataatta 180
 attcaaatga agcaacttga atatgaatat aaagcaataa taaataaagg agattaaggg 240
 aagagaaaat gcaaactcag ttttatactg gttcggccac acccttgtgc ctacgtccag 300
 tccccaagca acccgcttga gagttccact aacttgtaaa ttccttttac aagttctaaa 360
 cacacaagga caacccttcc tttgtgttta gagattcttt acaacaagag actcacagtc 420
 tcttaatccc ttagagaatg agatgaagaa gaggaacaca tctctcttga gagagatgga 480
 tgttacagat tgagcactca attaatcct taatgaattg caatt 525

<210> 7291
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7291

agctntattg gtacaatttc tttaaatctg gtattataaa caatttttat aattgggtga 60
 aatctttttc cgtcaacgaa tttaggagta acctggcca caagctttat ttgtacaatt 120
 tctttaaatc gtttttcata aacaattttt agaattgggt aaaatctttt tttcaattcc 180
 aaatatttga ttttatactc ttatttttat tccatagctt tattgtcact ataattctga 240
 aatatgttat tttttatcat taaatatggt atattgaatc taattaagtg atctaactct 300
 ggttttagta tttaaccagc aaaattgcat gtttaacta taccgtaa atgttagatc 360
 atctgacatt cacatatcaa tcaacatgat atctatgcaa gtatgtaact ggtcacacgt 420
 gacaagtgtt gcatgcat 438

<210> 7292
 <211> 352
 <212> DNA
 <213> Glycine max

<400> 7292

ccgaacacct tgtttttctc atgtgcacgc aaaccaatc ttcgggttcg aagacaacct 60
tctttctccc ttgatggcc tgtctagcat agctgttatt tctcctcatc aaaagacttt 120
tgactctctc atgaagcgac ttcacatagt ccggcttggc attaccttct ttgtgcttaa 180
aaacagacac attatgcata tgcaaatgat caagacgagt tagtgggtta aaaccataaa 240
caacttcaaa aggagaacaa ttagtgggtgc tatgagcaac tctatcggtg gcacactcaa 300
catgggggaa acaagctttc catgttttta agttctttct caaaactgtc ct 352

<210> 7293

<211> 422

<212> DNA

<213> Glycine max

<400> 7293

tccatcactt gataggtag atccttcac cttctcgaat ggacataggt atatcttggt 60
tgctgctgag tatttcacca agtgggtgga agaaattcct ttgaatgttg atcaagggga 120
tataataaac ttcatagaac aaaatattat ttttcgattt agtatcccat aaacacttat 180
aacagggtcaa ggcaccattt ttattgatcg aaaagtgggt caatatgtca attctcaaaa 240
tattaagtta gtaacttata ccccttatta tgctcaagca aatgggtcaag ttgaagccat 300
aaacaagatt ttggtaaggt taattaagaa acatggccaa aaacctagaa gtagcatga 360
aagtttagac caaattcttt aggcattatca aaattcacca aaagggggcc cactattgta 420
ct 422

<210> 7294

<211> 380

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7294

anggaccttt atacatagac cctttcctca natgatattg ttttattatc atgtncaccg 60
accaattgac gctcaciaac gtgcacactt ggcttatgtc atgggcaaag aacccttggt 120
attttattat tacacaaaaa ctactgaaat acctcctggc ccatgcagct gttaagtga 180

caatatacaa atatattatat tatgataact cctaatatat ttataatgag aaactatttt 240
 aaacatatat ttacatatat ctcttgtgct catatatgtg tgtatgtatg gatatgcttg 300
 caacgataac attaaaaacta acaataaagt aaattaaaaa catacagatt tataacatat 360
 ttttatatta aaacacatac 380

<210> 7295
 <211> 274
 <212> DNA
 <213> Glycine max

<400> 7295

gactgctcta gcacagctca tgacatgaaa tacagtgcg tctgaccttc cttatcgagg 60
 agcagaacgg tggattggc tctctcccat atgagctcat cgtcagtga taccgaagta 120
 tcacttgtgt tttctttcat acgattgacg atcttattgg catttagaga gatgctcatg 180
 ctcatgacat ggcaactaac gctcaagacc taaataaaaa atataccatt tactgtacat 240
 aatcatttgt attgcgcaat ttgttgtgta aacc 274

<210> 7296
 <211> 453
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7296

tagaaactta agccttatag aaggttcggt cctaatttct ctacaattgc atctcttctc 60
 aatgatctgg tgaagaagaa tgtggcattt acctgnggtg aaaaacaaga gcaagccttt 120
 gctttgctca aagaaaagct tactaaggca cctgttctag ctcttctga cttttctaaa 180
 acttttgagc tagaatgtga tgccctctgga gtgcgagttg gagctgtatt gttacaaggt 240
 gggcacccta ttgcttattt tagtgaaaaa cttcatagt ccaccctcaa ctaccccacc 300
 tatgataaag agctttatgc cttaataaga gccctccaaa cttaggaaca ttaccttgtt 360
 tccaaggaat ttttcattca tagtgatcat caatcactta agtacattag agggcaaagc 420
 aagttaaaca aaaggcatgc aaaatgggta gag 453

<210> 7297
 <211> 441

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7297

agcttgtggt gcatgtgttg atgctgctgt ttgtcagggt gaccttggtg aagtgaatgc 60
 tctagcagag ctaatgacat ggaagacagt tgtagcggac attccttatg gaggagcaaa 120
 ggggtggtatt ggctgcaacc caaaggagct cagcgtcagt gagttaggaa gtctcacttg 180
 tgttttcttc caaaagattg atgatcttat tggcatttag agagatgttc atgcccctga 240
 catgggaact aatgcacaag ttctaattta attatattcc atttccttac ataatttttt 300
 gtttggggca atttcttatg taaaccaaca tctagaactt ttatttatta ttctatcatt 360
 ttcatttgtt tactatttca ctgacaaagg cttgcattct tgatgagtat tcanagtgct 420
 ntatagntta tattatcaat a 441

<210> 7298
 <211> 445
 <212> DNA
 <213> Glycine max

<400> 7298

tgcaagctac tgctctcaag caagcactac atgtgtatgt agttccttta tacttctatg 60
 gtctgtgagt ataatgaatt ggtggcccag taaatactgg cgccacttct tcacggctga 120
 ggttatggcg gcgagctcac gaacgtaggt cgaagtgtgg agcaatttcg ggcaaaaagc 180
 tttattgaaa aaggcaatgg ggtgattctg ttgagaaaga atagcccca ttcctattcc 240
 caatgcgtcc atttccacca cgaatggcag ggaaaagtcc ggcaaccgca agactacggc 300
 gctacagatg acttccttga gcttgacaaa agctgctagg gctttcggcg accagcataa 360
 cttgtctctg gccaggagct gagttagagg tgctgcaatt gaagcatacc ccttaatgaa 420
 tcttcgatag aaacctaata aaccg 445

<210> 7299
 <211> 453
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7299

tgcaagcttc aggaaatatt gttgggtata tctgatgaca aatacatgag tttgcaagag 60
 ggagttaagc aagcgcagag acattttgtg gtgaataatc ccccaaagag gtatgatgta 120
 ttccatatga ttattcattc catatggcta aggaggttga atgtgcgtgt gaaataagtc 180
 atcaactcta ttatgttctc tctctattca tacttttgct aatggtttta aagtttaatt 240
 gtttgacctt caatatatttg atacttaaaa gataatagat tcgagtataa ttttatctta 300
 tatgactaat aattnttaat caagagtcac ctcttttgct acttaataa aatataacaa 360
 taagagagat gactctacga aatatgaata tttttttggt tgaagtgtcg ttgcgtcaaa 420
 catattttta naatcaacac attgagacac ttg 453

<210> 7300
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7300

gctgctatca attactttct ccatgattct gttgctctat catatacagn gagcttgcac 60
 ccatccgggc aacctaattgc atatagttgt ccattcagag agatacaatc tttatcccat 120
 ccattgacca ttccattagc aactacggtc caagtatcag tttcagggtga ataggcttca 180
 cacatggaat taccactccc aattgcattt cccttgaaaa accatgttcc attgtgaaca 240
 acaccaaata aaggcaccat ggatgtgctc atctctgata ttaaattcca cctgttttgg 300
 ctgggggtcat aaacttcagc agatcgagtc atttgaattc cttcaagttc cccaccagac 360
 acataaagac aattatttat cacacaagaa cgaaacagat tacgttttctg cagcatatcg 420
 ggtgccctat g 431

<210> 7301
 <211> 438
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7301

aataaatcac tcatagtgtg taaaactcac acaggcatgt gttttatcct attcccaaac 60
 cataactgca ccatgacttt attttgcaca cgacttccta tcgaatcaaa aataaaacgt 120

acgatcacgg accaatagga ttttctcgag ggtagtggtt ttttgagag gaagttgggt 180
 gtttatgtct tttctctttt gttcaggtgg ggtgggatat cgccagtcga gaacgacctt 240
 gaatggcaat ctgaagggaa gagacaccaa aaatgggttt tcctttgtcg gcagtcacct 300
 accttgccga aaatttatct ggcttgaaga atttctgtcc tctttctttc attgatcgag 360
 aattgcttcg tttccctttt cacttctttt cgatctttga tcgggaatcc ttccttttct 420
 ttcttttgtt tntttctt 438

<210> 7302
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7302

aagctttaat gttaaatctc tatttattat tataaaggaa tnatgattat cnntttatat 60
 actcactgng ggaaaagaat aacctctgt gacttcttca agtatcctcc tcctttcatg 120
 tatttcataa taagggttaa gaaaggtaag aaaatgttat ccaagtggct tcaataaatt 180
 taagagggga gtaaattgat ttataaata ttttcttgt taatataatc taattcattt 240
 ttctatgata aatataataa tatattaaaa ctttgattaa aaagagaaaa atatgcaatt 300
 aagatctcta ccaatataaa tgaatatagt aaatttaca aaaaaagtaa agagataatg 360
 taagagagaa ttggaaattc gatttatact gatctggta tgtctatgca ggttcagtcc 420
 ccaagcaatc cgcttaagag nttcattat 449

<210> 7303
 <211> 341
 <212> DNA
 <213> Glycine max

<400> 7303

agcttgtgcc tctttacgtc tggaatatgt atgtagcata tagatccaaa gaccttaag 60
 tgctttgctg atggcttctt cccgttccaa ggcttaattg gagtcttgtc ttttacagac 120
 ttatatggac gtctgtggag tatgtaaaca gcagtgtaga ctgcttcac ccaaaatgtg 180
 ctatgtagtc cctctttctt gagcatcgat ctagccatct ccatagctgt gcgattcttt 240

ctttcagaca ctacattatg ttgaggagaa tatgcgactg gtaggagtct ctcagtgcct 300
tcacctcac aaaatcttgt caactcgca gaggtgtact c 341

<210> 7304
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7304

ctttatgcc tctcgggtca tctggcctta taaacacttc ttctatttgg ccnggttttt 60
catcagaaca tggtcattct catcgacgga ggaagcacgc aaaatttcat gcaggaacga 120
ctgggtcgtt ccctcgggtct caaggcacag ctacgcacg tgcttcgggt cgtgggtgga 180
aatggcaacg agttagcttg tcatcaactt tgctcgggtg tcatgattag cattcagggc 240
caaacgttct cggttgacct tcatgtcctt cccctttgcy gagtggactt gggttctcgg 300
gttcagtggc tgaaatccct tggccctgtt cttaccgact ataaggatct tacattgaaa 360
atcattcatg atgganaaat aatagaatta anaggaata tggacgatgc tcttcacccc 420
gtcactcaa c 431

<210> 7305
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7305

tgctatctac ccctaggcca aactagtatc atagaagatt tataagatgg gagaagtgcg 60
gtgtaaaacc gttaaaaaat aagtcaacaa gttattgcat gcaaacttta tcagagaggt 120
ccgattctct acttggttg ccaacatcat cataatcaaa aaggccaacg ccaaattgga 180
aatattcatc gactacactg atttgaatag ggcatgccct anagacgcat accctttgcc 240
caacattcat agactagtcg atgggacatc cgagttccag gtgcttagct tccatagatgc 300
ttactatgga tacaaccaat tcaaaatgca tctctagac aaggagaaaa tgacattcat 360
cactaaagat gccaaactnta actgcaaggt caagccaact ntagtggtgt tgggtatggt 420
agagt 425

<210> 7306
 <211> 347
 <212> DNA
 <213> Glycine max

<400> 7306

agcttatccc atgtctccgt agcagatggt ttatcaaaaa tcttttctaa tgcattcatca 60
 tctaattgctt gatagatgac gaagaaagct ttcttgtgtc tctttcttga attcctaaaa 120
 gtctcatttt gtgcttagga cagcgaaatc tctttttgca actccttata gccttcttca 180
 accatatccc aaacatcatg tgctacaaga caggcctcca ttttggtgct caaattatca 240
 tgggtgctccc ctttagaagt ggaactagga aggatgccac tccattgctc gccatgacta 300
 tagagggatt tcttatcaga acctaagctc taataccact ttgttgg 347

<210> 7307
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7307

tccatcactt gataggtag atccttctac cttcttcgta tggacatagg tatatcttgg 60
 ttgctgctga gtatttcacc aagtgggtgg aagaaattcc tttgaatgtt gatcaaggng 120
 atataataaa cttcatagaa caaatatta tttttcgatt tagtatccca taaacactta 180
 taacaggcca aggcaccatt tttattgatc gaaaagtggg tcaatatgtc aattctcaaa 240
 atattaagtt agtaacttat accccttatt atgctcaagc aaatgggtcaa gttgaagcca 300
 taaacaagat tttggtaagg ttaattaaga aacatggcca anaacctaga agttagcatg 360
 aaagtttaga ccaaattctt tangcttatc aaaattca 398

<210> 7308
 <211> 328
 <212> DNA
 <213> Glycine max

<400> 7308

caagtgcct tagatatctt aagaagggtt ggtaattat tatatcacag actattcttt 60
 tatttaaaaa attctactgt taatggaacc ctacaacca ggatttcttt taaacaagaa 120

ctcctacata ataatgaaaa ttaatcttac taaatagaaa taataagcaa taagcaataa 180
aggagtttaa gggaagagaa aatgcagact cagatttata cgggttcggc cacacccttg 240
tgcctacgtc cagtcccca gcaacccgct tgagagtttc actatcttgt aaaatccatt 300
gacaagttct gaaccacaca aggacaac 328

<210> 7309
<211> 445
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7309

agcttctcac tccctcgaca tttataggag ttggtagcat ctcgattctt caatcttagc 60
tatgtctact tcaatcccc tcatggagat tttgcgccc aacacaattc cttcttgac 120
cataaaatga cattttcccc aattaagcac caagtttgcc tctttacacc gctgcaacac 180
tcgctctaga tttgctagac aataatcaaa agatgagctg aagatggaga agtcatccat 240
aaacacttcg atacatttct ccaccatgtc agcaaagatt gccatcatac atctctgaaa 300
agttgcagga gcattgcaaa gaccaaattg catttgcccta taggaaaaca caccacaagg 360
gcaggtaa at gttgtcttnc ttggtcattt ggatccacaa caatctgatt gtagccaaag 420
tatacatcta agaagcaata gaatg 445

<210> 7310
<211> 445
<212> DNA
<213> Glycine max
<400> 7310

ggaccaggaa ttatttgtat gggttggatg ttgaattctg tttgttcctg gtgttgagat 60
gatggtacag cgggtgaacc agaagctgaa gtttcttttg gtgaggtagc catggaaaag 120
cagagcgttt gaaatgattt cgtaaattctc agaaaactat tgggaaatgc tggtgaaaac 180
acgaatgtca cgaaaatata aatttgaata aggaatgtag agggccgtgt gaagcaacgg 240
tcgaatttgc cttgggttcag tagtgaacgt gctattaatg ttaagtgatt cgtttgggca 300
cgttcagata tcagtagttg ctacaattcc tctagcagac aaatgccag cttgcccctc 360

agtttttcaa actgatttgc atccaaagcc tttgtgaaaa tatctgctat ttgttcctca 420
gtgtcaacat gcttcagtgt gatca 445

<210> 7311
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7311

tgtgcattca atatacctgat gaagggtgtc catatgttct aatactggac taatacattt 60
gctgcccag tttcatgggtc ttgcacgtga agatcctcat aagcatctta aggagttcca 120
tattgtttgt tccaccatga agccccctga tgcctaagca gatcatatct ttcttaaggc 180
ttttcctcat tctctagaga gagtggcaaa agattgggtg tactaccttg ctcccagatt 240
catctctagc tgggatgacc ttaagagagt gttcttggag aaattcttcc ctgcatctan 300
gaccactgcc atccgaaaag acatttcagg catcaggcaa cttaatggag agagcttgta 360
tgagtatttg gaaagattca agaaaatgtg tg 392

<210> 7312
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7312

ntannaattg aattaaaaac gttcagtttc tgctggtaat ttattaccat atatgtgtaa 60
tcgattacac agtgcaaatt ttgaattcaa taacttagac aaaagtaaag cataaataaa 120
aagtgcacaa cggaaaaata aagagggtag ggaagaagaa agcaaacaca agatttatac 180
tagttcggcc acaacccgtg cctacgtcca gtccccaagc aaccaccggt tcttgagatt 240
tccaataacc ttgtaaaatc ctttacaagc aaagatccac aagggatgta ccctcccttg 300
ctctctttga acaaccaagt ggatgtacgc tccacttgaa ctgatccaca agagatgtat 360
cctctcttgt tcttagtatt acaacccaag tagatgtacg ctctacttgt accacaaatg 420
atatnatgct caatat 436

<210> 7313

<211> 283
 <212> DNA
 <213> Glycine max

<400> 7313

tgaaagttaa ctggatgcgt tggtaactt ggtaaccctt ctggccttga atcagaaatc 60
 tgtacctgtc gcaagggttt gtggtctgtg ctctctact gaccaccata caaacctttg 120
 cccttccatg cagcaacctg aagcaattga gcaacctgaa gcttatgctg cacatattta 180
 caatagacct cctcaacctc agcagcgaaa tcaaccacaa cagaacaatt atgacctttc 240
 cagcaataga tacaaccgct gatagaggaa tcaccctaac ctc 283

<210> 7314
 <211> 447
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7314

tgtgcattca ataccctgac gaggatgtcc catatgttct tttactggac tgtccacttg 60
 ttgccaagt ttcattgtct tgcaggtgaa gacctcata aacatctgaa agaattccat 120
 attgtctgct ccaccatgaa acctccagat gtccaagaag atcacatctt tctgaaggcc 180
 tttcttcatt ctttagaggg agtggcaaag gactggctat attaccttgc tccaagggtcc 240
 atcacgagct gggatgacct caagagagta ttcttagaaa atttttccct gttccagga 300
 ccatggccat cagaaaggat atttcaggca ttaggcaact cagtggagag agcctaaatg 360
 aatactgnga gagatttcaa aaactatgcg ccagttgccc tcaccaccag atgtctgagc 420
 aacttcttct ccaatatttt tatgaag 447

<210> 7315
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7315

gaccttagat actcagctga gtttaataaa tggatgataa tttttcccca atatacatat 60
 aataatattg ccaaaccct atcctttgat gttgtcgaac tattcttgaa gaagattcta 120

tatagacgta gatcaatata tagagtgtgg ttacattaat tagggatcaa ataatggtat 180
atcaaaatct tgaagaaaga agaatttcaa atgctactac gtaccattgt ggcataaaga 240
tgacactagc agaaagattg ttaattaaac aacaggaaga atataagcaa agattcttga 300
agcaatacat tgatgcctct catctcanat gacaaagaga ttcaatacaa caaagcaacg 360
attgtttctg aaggtagaaa ataacttact ataatgtttt ggattgccgt ttcatttgaa 420
ttgatgtact aaaaaacaac attc 444

<210> 7316
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7316

gatggaccat ttcaagtgct tgaaagattc aatgacaatg tttacaaagt tgagctttcc 60
ggtgagtata atgttagttc caccttcaat gtctctgatt tatctctttt ttgatgcaga 120
tggagaatcc gatttgagga caaatccttc tcaagagga gagaatgatg aggacatggt 180
caagagcaag ggcaaggatc cacttgaagg acttgagga cctatgacaa gggctagagc 240
atggaaagcc aaggaagctc ttcaacaagt gctgtccata ctatttgaat acaagcccaa 300
gtttcaagga gaaaagtcca aggttgtgag ttgtatcatg gcccanatgg aggaggacta 360
aatgacacca ctttgtctca attntagagt gtttagtttg tctaaataat ggcccaatcc 420
ttgtaaagt 429

<210> 7317
<211> 444
<212> DNA
<213> Glycine max

<400> 7317

gcagctattc aaatgaaaga attcaaattt tagtttgaga tattaccacg gaagagaatt 60
tcaaaatgac tctgaattgt tttgtgaaca aaatggcatt aatcgtaact tttccgctcc 120
aagaacacca caacaaaatg ggattgtggg gaggaaaaaa agtcccttg aggaacttgt 180
tagtgtttag ctctactgag ctttaaaaga ttggctaaga ttttgttaaa acataagcac 240
ttagacaatg aaggaaagct ggagttgctg cacatgatgt ccaacgctat gtcaaggaat 300

aagatcgggc tgcacaatgc acaaggcaag ataaaatgtc aaatgaagaa ttgaagttgc 360
 aggatccacg atgtcggata caatgtcctg acatcctgcc cgagaatact ggagttgctg 420
 tacaatgcaa gataaaagtc aagt 444

<210> 7318
 <211> 308
 <212> DNA
 <213> Glycine max

<400> 7318

tctagtctca attgtgagcg tgtcgatata tcacctaatt attcggacat ccgagtaaaa 60
 agttatagtc gcttgaaaaa gctacgagct tccattatca acttgagca ggctcatata 120
 ttacgggact caatcggaca gccgcgtata aagttatgga caattgaatt tgctaagagc 180
 ttccgttatc aatctggagc gtctcgatat attacaggac ccaatcggac atccgagcat 240
 aaagattttg tcgatgaatg agctacgagc atgcgtagaa acctggagca tctcgaatat 300
 taccggac 308

<210> 7319
 <211> 313
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7319

agcttcttca cattttccgc cgaagcanga tcttctntat tcttaanaac agaaacatta 60
 cgcttacgca aaagatcaag aagagtgagt ggattaaaac catatacaac cttcgaagga 120
 gaacaacttg tgggtgctctg aacagctcta tagtaagcaa atgcaacatg ggcgtaaaca 180
 agcttcccaa gatcgtaagt tattcctcct aactgctcta accggagagc ccaaagacct 240
 attaacaact tccgattgcc catcggtttg agggtgacat gtggatgaaa atcacaatct 300
 agtgcccaac ttg 313

<210> 7320
 <211> 359
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 7320

agcttcaaac ttgttactag gagtcgagtt ggtaaaaaag attcgtcttc aaactcttag 60
aggtgacttt gagcggttgt ttatggagga gtccgagtca atttctgatt atttttctcg 120
agtattggcc gtagtcaatc aacttaaaag aaatggtgaa gatgttgatg aggtgaaggt 180
catggaaaaa atacttcgaa ctttaaatcc aagttttgac ttcattgtta ccaacattga 240
agaaaacaag gatttaaaga ctatgactat tgagcaactc atgggttcct tacaagcgta 300
cgaagaanaa caaaagagaa aaatttaaca aaaggaggct actgagcaac tactacaac 359

<210> 7321
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7321

agctttctgtg tgtgaactcc atgcagaaac ctatgagagg atntgttttt tgaatgtctg 60
ccctcatgaa gtcattccaca gcctcttcta caataagtac aacgactcac ttattacggt 120
attcgttaat gctcatgaga tattcaactc tttcaaatgc agatccaaaa acattgagtg 180
attgcattct gtgtctatcc attcaaactc tctcttttga tcgatgttta aaacttattt 240
tgcttacatg atttttcatt tatgttctta gatacattcg gaggggcaag ccggatgccg 300
ggttttctct tttccagtct gaatgtttga aatgggtctgg atatgtagag tttgataatc 360
taaaaaaaaa tgtcctaact tacttagcag aaaataagta ccttcctcng tctcttatct 420
ttctattcca cctctactgt taatct 446

<210> 7322
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7322

tataatatat tattacactc gaaattttac aacagaagct ttcagagaaat tcaaattggtc 60
ataacttttc acccggtatg ccgattatgg cgaatcacat atcgagacgc tcaaaattga 120
acaacggaag ctctgagaaa attctaattg tcataacttt taactcggat gtccgattca 180

ggcgcataac atatagaggc gctcgaaaag gaacaacgga agctctcgag aaattcaa 240
 ggtcataact ntccacactg aggtccgatt caggaatata atatatcaag acgctcgaaa 300
 ttaaaccatcg gaagctctcg agaaattcaa ttgggtcatca catttcacac ggatgtccga 360
 ttcggggcgca taatatgtcg acacgctcga aattgaacaa cg 402

<210> 7323
 <211> 322
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7323

agcttgaatc ggatttcaat gtgaaaagtt ttactatatt taatttcccg agagcttccg 60
 ntgttcattt tcgagcgtct ctatacgcgga tgcgccctaa tctaaccatcc gagcgaaaag 120
 ttgagaccat tatgacatcc gcaagagcat ccgctgttca atattgagcg tatcgatatt 180
 agatttggct gatatgtaca tacccgagaa aggctaggac catataatac tggatagagc 240
 tcacgcctgt atatagctag cctctggaat aatcatgcgc aacaatgaag aataacttga 300
 actagtgatg accattggaa ct 322

<210> 7324
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 7324

tctagatgag ttatgtctgc gaatcgtaga tcctgtgaat agttatgacc atttgaattt 60
 ctcgagtgtc tccgttggtt aatttcaagc gtctcgatat tttatgtcct caaatcagac 120
 atcggagcga aatgttatga ccattcgaat ttgtcgagag cttccgtttt tcaatttcga 180
 gcgtctagat gagttatgtc accgaatcag acatctgagt gaaatgttat gaccattcga 240
 atttgcgag agcttccggt gttcaatttc gagcgtctag atgagttatg tcaccgaatc 300
 ggacatccgt gtaaaaagtt atgaccattc ggctttgtcg agagcttccg ttgttcaatt 360
 tcgagcgtct cgatatatta tgtccccgaa tcggacatcc gtgtgaaaag ttatgacat 420
 tggact 426

<210> 7325
 <211> 456
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7325

ngctaaccba tggaagctcc taatatctcc cacacttttt gnggtgggccc attcttggat 60
 ggccttgatt ttctcagggc cgaattggac cccatttcta ccaactacaa atcctaagaa 120
 aactatacta tctacacaaa aggtacactt ctctatattt gcatagaggg tgtttttaat 180
 aaggactgaa agaacttgcc taagatgtcc taagtgatca tctaggctct tactgtacac 240
 taaaatatca tcaaaataaa caactacaaa tctacctagt aaatccctta agacataatg 300
 cataagcctc ataaaggtgc ttggtgcatt agtgagccea aaaggcatta ctagccattc 360
 atacaaacca aacttgggtct tgaaagcggc tntccactca tcaccctttt tcatcctgat 420
 ttggtgatgg ccacttttaa caatcaattt tgaaaa 456

<210> 7326
 <211> 294
 <212> DNA
 <213> Glycine max

 <400> 7326

tgagtccttt catatatcga gagcgtcgaa atggaatacc gaagctctga gcaaattcaa 60
 acgacaataa ctttttactc ggatgtctga ttgagtcccg taatatatcg agacgctcga 120
 aattgaatac cgaagctctg agccaatgca aacgacaatt aatttttact cggatgtctg 180
 attgagtccc gcaatatatc gagacgctcg aaattgaatt ccgcagctct gagcaaattc 240
 aaacgagaat cacattttac tcggatgtct gattgagtcc cgttatatat cgag 294

<210> 7327
 <211> 288
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7327

agctagtaga agcaagaatt tctttctggc cttaacgag gacnccgaaa aggcctatga 60

ctcattctca tgggtctttt tggattatat gctgcaaaga atgggcttct gtccccaatg 120
gagacaatgg attcctgtct gtctcaactc accaaccata tcaattcttg ttaatggcag 180
ccctacaaag gagtttgctc ctactatagg gttgaagcaa ggggatcctt tagccccctc 240
tgcttttagc atatttgag aaaacatcac aggattgatg agggaagc 288

<210> 7328
<211> 434
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7328

tacccccgc tttgattgca ttcaaaggtc atgntctccc gannggcccc tctnggcaca 60
tgcttggctt gggttatcat aacaaaactg acattgagag tctgaggaag gctgctgtta 120
ttcatttcaa tggccagtca aaaccgtggt tgcaaattgg ctttgatcat cttaggccat 180
tttgaacaa gtatgtcaat tatacaaag attttgtag gaactgtcac atcttggatt 240
catagtctgc catgagatgc actatgggtt gaaacaacag tgcatgcata ctacgaaagg 300
gacgagtaaa tacatgtttc atctaaattt ctgcggattg agaaggcaat ataaaattgg 360
ttgagggcaa agtgtgggtg gataatttgc ttgcaccccg taacattttt ccacacacag 420
ttactatcct ggca 434

<210> 7329
<211> 296
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7329

agcntagaat cattatctta tctccgacat ccattgggtg agtcctgtcc cggtagtccc 60
gaagaagacc ggccctacag ngataaaaaa tgagaaggag gagctaattc ctactcgggt 120
gcagaacagt tggagagtct gcattgacta taagaggctg aaccangtta ccaaaaagga 180
ccattttccc ctgccattca ttgactagat gctcgaacga ctggcatgtt aatcctcact 240
actgttttct tgatggtttc ttctgctatc atgtaatatc tattgtctct tacgat 296

<210> 7330

<211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7330

tgatgcaaca tatggagagg ttaatgaaac aacgagatta ngcgctccat gttatgttgg 60
 atcaaattgga gaacagagat cataatgaag aagaaaggag gagaagaggg aatgatggtg 120
 ttcctagaca aaaccgaatt gatggtatta aactcaacat tcctcccttt aaaggaaaga 180
 atgatccgga ggcctacttg gagtgggaga tgaaaataga gcatgttttc tcatgcaaca 240
 actatgagga ggaccaaaaag gtgaagcttg ccgccacaga gttttccgac tatgctcttg 300
 tgtggtggaa caagctacag aaggagagag caagaaatga agagccaatg gttgatacat 360
 ggacggagat gaaaaagatc atgangaagc ggtatgtgcc ggctatgtac tcaagggact 420
 tgaaattcaa gctccaaaaa ctaa 444

<210> 7331
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7331

gacactatga tactaagctt gagaatatat ataaaagatc tatgactatn gaagaatcat 60
 tcatgtgncc ttngatgaga ctaatgctat ttctccaaga aaggatattt tagatgatgt 120
 agcagaatct ttagaacaaa tgcattattca tggacaatat tctaaaggaa aagggaaagg 180
 aagcaatgaa gatcctccag aagaagccaa atcaaatgat gaacttccaa aagaatggaa 240
 agcttcaaaa gatcatcccc ttgacaatat tattggtgat atctcaaaaag gggtacaac 300
 tagacattct cttaaagact tatgcaataa tatggctttt gtgtctatgg ttgaacctaa 360
 aaatataaat gaagccataa tagatgatca ttggatagtt gttatgcaag aagaactaaa 420
 tcaatttgaa agaaaaaatg tgtgggaact 450

<210> 7332
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 7332

ntgaagaagc atcaaagcag gatgtatggg tcaaggcatt tgtagaaga gatacagatg 60
atcgagaaaa acaacacatg ggagttagta aatcgteccc atggaaaaga tatcattggg 120
gttaaattggg tctataagac aaagctcaac ctgatggcac catacagaaa cacaaggcga 180
ggctaatagc taagggttac tcacagcaac ccggaattga ctacaatgag acatttgcac 240
tagtagctcg tcttgatacc ataagagctc taatagctct tgcgtcacia aaaggatgga 300
gtatccatca actagatgtc aaatccgcct tccataatag cgtacttgaa gaagagatct 360
atgtggagca gccacaagga ttcgtgtctg aaggcaaaga aagaaaagtg ttaagactaa 420
gaaaagcact ctacg 435

<210> 7333
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7333

tgctctgaac ttgtacaaaa tgggggttcgc tcgctgtcgt aacttaccct tcggcgggag 60
ggcgacgcga gactcacggg tgcgtcttcc aagaaaggaa aatgcatgga gtcgccacca 120
acgtttatatt ggggaaaaca tccgaaaaac cgaaaaagac gtgggtctaca aactttaagt 180
gtgaggttcg agagttgtat ttacgcacgg ngaaggattt agcacctgtt agacaagtgg 240
cctcagatat cttaagaagg ggggggttgaa ttaagatatt ccaaactgtt tcccctaatt 300
aaaaatctat tttatttttt actcaagtta taaattccct taatgacaat cttcttaaat 360
attaattcaa atgaagcaac ttgaatatga atataaagca ataataaata aaggagatta 420
agggaagaga aaatgcanac tcagttttat act 453

<210> 7334
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7334

tctattcaat ntagctctga tgggaaccac atgccatcnc tttcagattt gcaccaatag 60

gaatacccat gtagataaat gagaaagata atattctaca attcaagaat gatgaataac 120
gttcaatatc ttccctatcc accccaatac ccctaaatct acttttgtga aaattgactt 180
tcaatctaga tacaagttca aagcacctca acacactttt tacaacaacc acattgtcca 240
tgttgaaetc tccaacaaaa atttgttcgt ccacatattg caacaagttc acctccacct 300
ccttagcctt cactttgaac cctctatata tgtattttct tattgcccc cttattagcc 360
cacttaaccc ttccgctata atagaataaa gaaaatgtgc tagaggatca ccgtgtcaaa 420
gccctcttgc atcatgaatt ct 442

<210> 7335

<211> 454

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7335

ctcagctaaa cattcaattt cgaggctctc gatataatcg ggattatata aagcatcctt 60
tananaattt attggcgttt gaatttgctc agagattcaa cattcaattt cgagcgtctc 120
gatataatcg gggactcaat cagacatccg agtaaaaagt tattgtcgtt tgaattggct 180
ccgagcttca acattcaatt tcgagcgtct cgatatgtta cgagactcaa tcagacatcc 240
gagtaaaaag ctattgtcgt ttgaatttgc tcagagattc aacattgaat ttcgagggtc 300
tcgatatctt acgggactca atcagacatc cgagtgaata gttattgtcg tttgaattgg 360
ctcagagctt caacatttaa tttcgagggt ctcgatatat tacgggactc aatcagacat 420
ccgagtaaaa agttattggc gtttgaattg gctc 454

<210> 7336

<211> 422

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7336

agctataaca tcagaccact tccagggtgt tgtaactact tacatggatn tgatggggcc 60
tatgcaagnn gaaagccttg gaggaagag gtatgcctat gttgttgtgg atgatttctc 120
cagatttacc tgggtaaaact ttatcagaga gaaatcataa acctttgaag tattcaaaga 180

gttgagtcta agacttcaaa gagagaaaga ctgtgtcatc aatagaatca ggagtgacca 240
 tggcagagaa tatgaaaaca gcagggttcac tgaattctgc acatctgaag gcatcactca 300
 tgagttctct gcagccatta caccacaaca gaatgggata gttgagagga aaaacaggac 360
 cttgcaagag gctgctcggg tcatgcttca tgccaaagaa cttccctata atctctgggc 420
 tg 422

<210> 7337
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7337

agcttctatt acctatctac agttttttct atagnctat tattacaaga ccaactctta 60
 aaattaaata ttatgatttg ccttcatact cgccccattt tcccaaatac tttcaggggg 120
 tgcattccat gttggacggc tgtccaggaa aaacatggga acctaacgag aagaggataa 180
 acaagcttgt cttcattgga aggaatttgg atgaaactgc ccttaaaaaa ggcttcaaag 240
 gttgtttagt atagcattaa agatctgtta ccagtcaagt tccaagcag cagcccttgt 300
 gtgtcttatt ttataaattc cagcaagcaa gtatatgtac atggtagcac caatcgaata 360
 aacgttggtt gttcgtgcta tatactgaat atacagactc 400

<210> 7338
 <211> 379
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7338

agctagtgtg ttnatgaaac tngatctgct gtatggttat caccaaattc acatgcattc 60
 ttcggacatt gctaaaacga cctttcgcac gcatcacggt cactatgaat tcaagggtat 120
 gcccttcggg ctatgcaatg ctccctccac ttttcaggcg acgatgaaca tgcttttccg 180
 gccattcett cgccggtttc tcattatctt ctttgatgac attttaatct atagcatcac 240
 ctttaatgat catgttcttc atttacaaca agcttttcag gttctgttgg acaatcaatt 300
 cgtcctgaag ttgtccaaat gtacctttgc tcagccacag gtggagtacc tcggccatgt 360

<210> 7339
 <211> 454
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7339

ntattcaaga caagaatcca agaaagtcaa gatatatgat ctagtttgat ctcttagaat 60
 ctttaggaag aagtttccaa attgaaacaa acaaaagggt tgaccaagga attctatcct 120
 ttcaaattga gatttgctct ctggtaatcg attaccagca gtttgaaaat gttttaattc 180
 aaatttttaa aacctgtaat cgattacata agtcttgtaa ttgattacca gaggggattt 240
 tcagaaaata atttccaaga gacatatcta ttcaaattgt ttatgaacgg ccattcaaatt 300
 gttttaaaga gagttttcat tgcccaaaca gctttatcct ctcgaaagat caagagtttt 360
 tctgaactga aatgtcttat cctctcaaaa agattccttg gtcaaccact tgcttattca 420
 ataaggaatt nttgattgat cttcattnta caat 454

<210> 7340
 <211> 388
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7340

agctacttag tctcagatta tgcnagctgt tttttagct acctcatgca ctctctaat 60
 gactatggca tcatttctgg cgctaaactg ctgggagttg gaagccatct tctcaattaa 120
 atttctggct tcagcaggag tcatgtctcc aagggtctta cactggcag catctatcat 180
 acttctctcc atattactga gtccttcata aaaatattgg agaagaagct gtcctgaaat 240
 cttatggtga gggcaactgg cacatagttt tttaaacttc tcccagtact catacaggct 300
 ctctccactg agttgtctaa tacctgagat atccttcttg atggttggtg tcttagaagc 360
 aaggaatttt ttttctaaga atactctc 388

<210> 7341
 <211> 442

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7341

gttgagccaa ttcaaacgac aataactggt tactcggagg ttgtattgag tcccgttaata 60
 tatcgagacc gtcgaaattg aatgttgaag ctctaagcca attcaaacga caataacggt 120
 ttactcggat gtctgattga gtcccgatcat ataccgagac gtcgaaatn gaatgttgaa 180
 tctctgagcc aattcaaaca acaataactt ttactcggga tgtctgattg agtcccgcaa 240
 tatatcgaga cctcgaat tgaatgttga agctctgagc caattcaaac gacaataact 300
 tttactcgg atgtctgatt gagtcccgta atatatcgag acgctcgaaa ttgaatgttg 360
 aacctctgag ccaattcaaa cgacaataac tgtntactcg gatgtctgat tgagtccgga 420
 catatatcga gacgctcgaa at 442

<210> 7342
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 7342

agcttaaaca ttcaatttcg agcctctctt tatatcacgt ttattcaatt aaacatccga 60
 gaaaaaagtt attgtcgttt caatttgctc agaggctcaa cattcaattt cgagcgtctc 120
 gatatattac gggactcaat cagacatccg aggaaaatgt tattgtcggt tgaattggct 180
 cagaggttca acattcaatt tcgagcgtct cgatatgtta cgggactcaa tcatacatcc 240
 gagtaaaaag ttattatcgt ttgaattggc tcagatcttc aacattgaaa ttcgaacgtc 300
 tcgatatatg acgggactca atcagacatt cgagtaaaac gttattgtcg tttgaattgg 360
 ctcagagcgt caacattc 378

<210> 7343
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7343

tgatgcaaca ttcggagagg ttaatgaaac aacgagaata ngctctccat gagagggttg 60

atcaaatgga gaatagagat cataatgaag aagaaaggag gagaagaggg aatgatggtg 120
 ttcctagaca aaaccgaatt gatggtatta aactcaacat tcttccattt aaaggaaaga 180
 atgatccgga ggcctacttg gagtgggaga tgaaaataga gcatgttttc tcatgcaaca 240
 actatgagga ggaccagaag gtgaagcttg ccgccacgga gttttccgac tatgtctctg 300
 tgtggtggaa caagctacaa aaggagagag caaganatga agagccaatg tgatgtgaat 360
 cttacggngc gcggatcgct tgatacaggc tgtagaagtt ttggatgacg ccactt 416

<210> 7344
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 7344
 agctatcact ctaatgtcag attcaggaac taattatata ttgacactcg aaattgaaca 60
 cggaagctct ggtccaaatc atatggccta aacttttgac atggctgtac gattgaggcc 120
 catgatatat cgagatgcta gaaattgaga aatggaagtt ctcgaaaaat tcaaattggtc 180
 ataagttttc actcgaatgt cagatttagg aacaaaatat acagagacgc tcgaaattga 240
 acaacggatg ctctctagaa atttaaattg taaaaaattt tcacacgtat gttagattca 300
 ggcacataat atatcgagac gttcgaaata gaacaccgaa gctctgggtcc aattcaaacy 360
 tccataactt ttgtcatggg tgtatgattg acgcccata tgtatcgaga tgctagaaat 420
 tgaataacgg a 431

<210> 7345
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7345

agctcgcgnc catnatcatt tattagagtt acctccccta tgtcaacaan cntgctggag 60
 anatggatgc ccatcttcac cataccgaaa tccctttttt gatatgatga aaaaaaacct 120
 ctatgaggag taacatggaa ggatgctcta tagtctatta tccatatata atcattagat 180
 gcaatattta aataattttc attattgata agaaaaacat tctcatcatc tgatgccacg 240

gcaatagtgg cttcacctta gtctttttca ttgagtcaat ttgattagca tggacagttc 300
 cagccttctg atctctcttc aagaatttgc actcagactt cttatgggtct taactttcgc 360
 agtagcagca acccacgcct tgggatg 387

<210> 7346
 <211> 385
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7346

agtttaatta tctattgtta tagctntggt tcttgcaggc gctagatact aaaatcaatt 60
 gacaaagaga actaagacgg gctataggct ttgatacaga ttttatctta taaccaatta 120
 gtattaagta aagttgtcca acagatatat aagttgcacc ccaaaaactg agatagggtga 180
 tgtgggactt tctaacggct agaacacatt gtcagttttc taacgagtga aggtcgcaac 240
 aaaatggctc gatcgaaaga ttttgagaat actccagatc ttttatgagt agaaaactag 300
 cttataatct ctaacagaaa cactggcgaa ttaagtttgg cgtactcgat agataacaga 360
 tagattatga tcagaacaca taact 385

<210> 7347
 <211> 465
 <212> DNA
 <213> Glycine max
 <400> 7347

gacacttaaa actcagcttc cagaatcaag atcaagattc aagactcaag attcaataat 60
 caagagaaga cttaatcaag ataagtatga aaagggtttt taaaaaattg agtagcacat 120
 ggatttttct caaaacatgt ttatcaaaga gtttttactc tctggtaatc gattactaga 180
 ttgttctaata cgattaccag tagcaaaatg tttttgaaaa agttttcaac tgaatttaca 240
 acgttccaat tgatttcaaa aagctcttat atgttttggg aatcgattac cactgtcttt 300
 gaacgttgaa attcaaattc aaatgtgaag agtcacatcc tttcgcataa aagctttgtg 360
 taattgatta cactgatttg gtaatcgatt accagtgatt gtttctgaat aaatgaaaag 420
 atgtaactct ttcaatagtt tttgatcttt caaattgggt taatt 465

<210> 7348
 <211> 212
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7348

tgcactcaaa ncggacattc gagtgaaaag atatgaccat ttgaatttct caagagcttc 60
 tgttgctgaa tttctagcat gtcgatatat tatgtccccg aatcggacat tcgagagaaa 120
 agttgtgaca atttgaattt ctatagagct ctcgttggtc aatatcaagt gtctcgatat 180
 attatgcgcc agaatatgac attcgagtga aa 212

<210> 7349
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7349

gcatgcgaag tgggtggaat tcctagagca ttttctttat gttatcaaac ataaaaaggg 60
 aaaatgtaat attgtagccg atgctctttc tcggcgatc gattacttt ctatgcttga 120
 aacaaaattg attggtcttg aatgtttgaa aagcatgtat gaaaatgatg aaacttttgg 180
 agaaattttt aaaaattgtg aaaaattttc agaaaatggt ttcttttagac atgaaggctt 240
 tcttttcaaa gaaaacaaat tgtgtgtgcc taaatgttct actagaaatt tgcttgtttg 300
 tgaagcacat gaaggaggtt taatggggca ttttggggtc caaaagactc tagaaacatt 360
 acaagaacat ntttattggc ctcatatgan aaaggatgtg cacgaaattt gtgaaca 417

<210> 7350
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7350

ngagaactct ttccatgcag aagttagaat actaagcaat attcctcata ctttcattgt 60
 gagattgatg tggtgtatct ctaatgagga ttctatgtct tttgtgtatg agtatctgga 120
 aatcacaac ctatagataagt gactgcacca gaagcttaag tcagggttcag taagtaaagt 180

ggtccttgat tagccaaaga ggttgaaaat aaccattgga attgctcaag gtttaagcta 240
 tatgcacat gattgttcac catttgtggt tcatagagat ataaaaacaa gcaacatcct 300
 tctagatact caattcaatg caaaagttgt tgattttgga cttgctaaga tgtaaatcaa 360
 gccaaaggaa tctttttgtt tcttgactaa caaatatatt gctcttgctt agctatatatt 420
 tgtgtgtgcc ttatgagtaa actatnnttt tagtc 455

<210> 7351
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 7351

ggctgcaagc tacgtccacc tatttgcaga aatgaaagaa ggggtgtaata aataacattt 60
 ggctggaagg aaacaagaga caaatacctc ccccgccaa aaaaaataaa agaaaagaag 120
 ttacctttcc ccatatatat ccccttgtat tcttctgcc ctcttcttgg taggaacct 180
 cctcattgac ccaaaaatgt ggggtgccag cacactgaac tctgccaac tgcacacaac 240
 aacaaaaaca ggattctttc aaaaattctg tttcacaata aacaagatat gggtattaag 300
 agagagcctc tcaatatgaa ttgtcgacct gcaacatacg aagctccact ttagttattt 360
 cccgaccatt gatgaaaacc tgagtgggtc cattgctagc atccggttgg at 412

<210> 7352
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7352

tactcaagct taagaacgga gttccaacca cagtgagtca caatccctcc tgaggcaggg 60
 tggccaata tcagcaactg gggcgcccag ttccatatga tataaccctt cttgctttct 120
 ttcatecttt gcccaaaatc ttgcaggaaa ctctctccat cctcatctcc atctccatac 180
 cttttccgaa taaccagat gaaatcatga ccagaatttt caagcccgtg agcgatttca 240
 acaagctgag catgaggagg cctgattcgg cttccaaaac ttacataaag aactgactca 300
 ttntgcttag agttaagcca gtttagccac tcttattctt gcacaagctc ctccttgtgt 360
 cccctattgg ccttttcttc atcgcaactga ttaattaacc caagctgaca ccggtcctac 420

actccaacac ttgacccct ttgtgctctg ataa

454

<210> 7353
<211> 415
<212> DNA
<213> Glycine max

<223> . unsure at all n locations
<400> 7353

agctattgta gtagtagtct tcattacatt ttaaatact atgttcaatg acatgaaaac 60
actgcagcta acttagcaaa tattcagtaa ctttggtcat acctttaact agttgcagga 120
agaaacaccc ttattagtga gttctttgta accttttttc tacaggtagg gcatttagcc 180
tgtgcagata tagcagccct gatgcaattc ttgcaaaaaa tatgaccaca cttgttgac 240
atttcttcaa ccaaagggga catacatatt gggcaattaa aaacaggctc cttatgagct 300
tcaggctcct tgggaggttc aggtgtcttc ttagcatttt cactctgcaa aaggaaaaag 360
tgtcagcaat ttgaactcat acaaagtctt gcaatcaact gcaagtctnt atatg 415

<210> 7354
<211> 347
<212> DNA
<213> Glycine max

<400> 7354

agcttaagct ctttcaactg cacaaggctc ttaatatttg aagagtatcc ttgtggaacc 60
ttcacccgat gaagacactg acaaaaactt atcttctcct ttttggacaa agtatgacaa 120
gttgggggca agtaaatttt ctttccatca gaccttgat gccactgtga tcggatccac 180
atctctgcta gattttgacg agtattcaag ccaccttcg tcttgcccta aatgttaaag 240
agcgtcccaa tcacactgtc acatacattt ttctcgacat gcataacatc aatacaatgt 300
ctaacatcta gatcagacca ctacggaaga tcaagaaag ttgacct 347

<210> 7355
<211> 569
<212> DNA
<213> Glycine max

<400> 7355

agcttggact tectgtgttg tgggaacctc tcttcctca ggtgtaccca aacccaatca 60
cctgggtcaa gcacgacttt ctttctgctt ttgttggett gccttgcata gctcgcattt 120
ttcttttcaa tttgagcett cacttgctca tgcagcttct tcacatactc agctttagcc 180
tgtgctcct tatgcttaaa catagcaatg ttaggcatag gcaacaaatc aagaggagtc 240
aaaggattaa atccatacac tatctcaa at ggtgaacaat tatttgtgct atggatgata 300
cgaaatcaga gtgtggtaac ggaagcaa acaccaataac gaaagtacta ggtaccaccc 360
ttattagtcg aattccttta agtatttttg gtatttgtgt gtttgggttt ttacgaaaat 420
cagcaaggaa aaataagcga tattaaacta caccaatagc ttaatacgag attagcactc 480
accaccaatt gagctaactg gactattttc aagacgacgc tggcaaataa tcgggcgaaa 540
aatgtaacac aatttcta at tggactgaa 569

<210> 7356
<211> 385
<212> DNA
<213> Glycine max

<400> 7356

tactttcttg attcatgaaa gatccaagcc atctagtgt atcaaaaagg gtgctaaaat 60
acattcaagg cactttgaac tatggaatca aatatgacaa gaaggtggaa gcaaatgtaa 120
ttggcttttg tgacagtgat tgggcaagct gtatggatga aatataaagt actttcggat 180
atgttttctc actgggttta ggagaatatt catggtgctc aaagaaacaa caaacggtg 240
cccaatcttt tgcaaaaagct gaatatattt cagctggctt agctacccaa caagcaatat 300
ggttgaagag aatatgtgaa gactttggtg aaaagcaagg gacaatgact atccattgtg 360
ataacaaatt tgctattgct atcac 385

<210> 7357
<211> 412
<212> DNA
<213> Glycine max

<400> 7357

agcttttgac ggactatacc aagctctatg aaccaggac ggagaaagat ctatatatag 60
gcttgctaag ggtagagaga ggaagactag agatttggat caagtaaagt gtgttaagga 120

tgaagaaggc aaagtcttag tgcataaaaa agatatcaag gaaaggtgga aggcgtatatt 180
ccacaactta tttaatgatg gatatggata tgactctagc agtctagaca caagagaaga 240
ggaccggaac tataagtatt atcgtcggat tcagaaacag gaagtaaagg aagcgttgaa 300
aagaatgagt aatggtaagg cgggtggggcc agacaacata cctattgaag tgtggaaaac 360
tcttgagat agaggtcttg agtgggtcac cgaactcttt aacgaaatta tg 412

<210> 7358
<211> 128
<212> DNA
<213> Glycine max

<400> 7358

tgcttttccc aaagagaggc accactgggt ttatcacctg atcgccaacc ggatgcccc 60
aagcgtcttt gacttttttg aagcggtcga tatccataat aacgacgcac taaagcggat 120
tctgggct 128

<210> 7359
<211> 353
<212> DNA
<213> Glycine max

<400> 7359

atatactgta atcgattacc agagcttatt ttcagaaaat attctcaaca atcacatctt 60
tttgtgtggt tcttgaatgg ctatcaaagg cctatatata tatgtgtgac ttgcgacacg 120
aatttgctaa gagttttaaa gaacaaaaag gtcttatact cttacaaga aaaattgttt 180
tatactctta caaatcctt ggccaaaaca cttgtgattc aataaggaat tatctgagtg 240
ctcaaaatgt tcaatctatc tctgtcaaga gagatatctt cttttctact tcttcattct 300
gaaaagggat taagagaccg aggggtctct gttgtgaaag aattctttac aca 353

<210> 7360
<211> 471
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7360

agcttttgtg tgggataccc aatgtgagct tattttccag acccttaagg aaagattaac 60

aaccactcca gtgttagttt tgcctaacct gagagaacct tttgaggtgt attgtgatgc 120
atcaaagatg ggattaggag gagtgttgat gcaaaatggc taagtagtgg cctatgcttc 180
tagacaactc aagactcatg agaggaatta catcactcat gacctggagt tagctactgt 240
agtttttgcc cttaaagatgt ggaggcatta cctgtttcgc tccaagtttg aggtgttttag 300
tgatcataag agccttaagt acttgttttag tcagaaagag ttgaacatgt gtaaaaggag 360
atgggttagag ttttttaaag attatgattt tgagcttagc taccatcccg gcaaagccaa 420
tgtagtggct gacgccttga gtangaaatc cctacatata tcggcattga t 471

<210> 7361
<211> 521
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7361

agcttcacaa aagaaaagtg gataatccac atattacaaa aggttgactt ccacattacc 60
atccccaca aggaaacttg caaacaagtt tttctcaata gtttcctctt caccatctca 120
cacaatcctt ctaataacaa tagtaaaca gaaaagtgtc aatggatcac cttgtcttaa 180
aattttttga gcgaaaaatt cataagtatt tcagcaacat caaatggtag ttgatgtcaa 240
acatccctta atccaatgaa tccacttctc atcaaaacct aacctcttca tatagaacaa 300
gaaattccaa ttaatcaaat aataggtttt tcataatcta acttaaagat aagacttttt 360
ctttttcctt ttttctttat caatgggtatc attcaccgcc aacacactat gaagtaggaa 420
ttttcctccc aagaaagcac tttgcttatg atcaatcaca cttaanagta ctttcttcaa 480
cctattagct aacaccttac aaaatatttt atacatacat c 521

<210> 7362
<211> 456
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7362

ttggaaccca gatgtccat cgactagcct gtttattttg ggcagaaggt atgcgtcttt 60
aaagcatgcc ttgttcagat tagtgtaatt ggtgcacatt tgtcaattgt tgttgaacct 120

tttgaccatg atgatgttgg cgagccacgt ggaaaacctg acttctctaa tgaagtttgc 180
attgaggagt ttatccactt cttctttgac agctttacgc cattcttctc ccatcttcct 240
tttattctgt gatattgttt tggcctagga acatataaca agtttgtagt agattatgct 300
aggatggatt cctggcatgt tagacggctg ccaagtaaat aaattcccgt tttcatgtag 360
cacgtcggca atgcgttggg gtcctgact agtgaggctg ctactaagcc acatgcacta 420
cccanngtta ggttcgagtt gcaacttgac atgctc 456

<210> 7363
<211> 498
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7363

gtggtccata atgctttcaa ccgagcttca gcatttattt tatcaacccc aatcaaactc 60
tctggaggta tttgaatcat catgtacacc gtaaagctgt gtgctagttt tagtattttt 120
caaccagcct cttaaactt tggttttgat tttgttcacc caactcttgc taagattcag 180
agattccttg gatgataagt ctaaggctaa tctagtgcaa attaaaggac gattttcagt 240
gacatcagaa aatttagatc tgggtgaagg atgcttttta gttttttctt attaatacaa 300
tggtccttat cgacaacttc aactgacttc atcatatgga ataggatatt cctgtaagtt 360
cagtttcacg ccgatcttca caggttgggt gatgatctaa ttgattattg gctatatatn 420
tatgttttct tcttatcacc tcatttgatg gtctctttcc ttttacgtta aatatatgga 480
tcaccaatga gggaaatc 498

<210> 7364
<211> 451
<212> DNA
<213> Glycine max

<400> 7364

ccctatgact cggattcttg gggattccta aactatatga ttatgatgat gggattttgc 60
taaagatgga gaaaatggat ccatggatgc ctttctagtg caactacatc aattttgatc 120
aaaggccaca ctactagaga atttgtgcct gaaaggggac tgatgcaagg agatccccct 180

gcacctttcc tatttaatat aacagctgat ggactcactg gggatgatgaa gacagctgtc 240
 tccaaaaacc tttttagcat ctataaagtg gggaggcaaa aggaggagat taacatcttg 300
 aagtatgcac atgatacact gttttttgga actgcgacta cagctaattg tagagacatg 360
 aaatctatcc tcataatttt cgagatgggt tcaggactca agattaacta tgctaaaagc 420
 caaattgagt gcttgcgtaa atctttggac t 451

<210> 7365
 <211> 518
 <212> DNA
 <213> Glycine max

<400> 7365

agcttcgtaa tttgaggagc atgaatgggt gctttacaca aacaatgcat gtgaagggtc 60
 atgtgccatt ttgaattcta taacaatatt acccatttga tgatgatcct tcccatcttt 120
 gaatttccga ccacatgcac ttatcttaat tagtcaataa attatttaaa taacatctga 180
 caattagcaa attcgaccat tagtaatcta agatcacctc ttacatttct atgaacttct 240
 tttagaatgg gcacgaggta atcatgttta aatcataaaa ttattattgg taagaaaaaa 300
 tcttttcaaa tatttaacac atttatatat agaatttgaa gactaaataa ttgatcagat 360
 gaaataatct cacatcaatt aatttatgca ctcatgattt acatttccat ggacttaact 420
 gtgaagttct aattaaaaca actacataat attttaaaaa gatgttagaa aatttataaa 480
 agtaaataaa tatttctcta aataaactga atgaaatg 518

<210> 7366
 <211> 324
 <212> DNA
 <213> Glycine max

<400> 7366

agcttcatcc actttcttgc aagggatgaa gtgtgccatc ttaggaaact tgtcaacaac 60
 aacaaacaca gaatcctttc cattcttgggt tttgggcagc cccaaaacaa agtccataga 120
 tatgtcagtc caaggatatt taggaacagg caaaggagta tacaatccat gaggtttaac 180
 cttagattta gcttgtttac acacaatgca atgaccacaa aacttatgca catcacgcct 240
 catatgaggg caaaagaaat gatcttgcag aatttccagg gtcttttgaa ccccaaagtg 300

<210> 7367
<211> 473
<212> DNA
<213> Glycine max

<400> 7367

agcttccaag aatcaagatc aagattcttg actcaagatt caagaatcaa gagaagactt 60
aatcaagata agtatgaaaa ggttttttca aaaactgagt agcacatgga ttttttctca 120
aaacatgttt accaaagagt ttttactctc tagtaatcgc ttaccagatt attgtaatcg 180
attaccagta gcaaaatgga tttgaaaaag ttttcaaag aatttacaac attccaattg 240
atttcaaaaa aggtgtaatc gattacaatg ttttggaat cgattaccag tgcctttgaa 300
cgttgaaatt caaattcaaa tgtgaagagt cacatccttt cacataaaaag ctttgtgtaa 360
tcgattacac tgatttggtg atcgattacc agtgattggt tctgaataaa ttaaaagatg 420
taactcttca aaaagttttt gactttctca aattgatttt aaagttttct aaa 473

<210> 7368
<211> 463
<212> DNA
<213> Glycine max

<400> 7368

ttatagcaaa tgccactcta ctccaagttt ttaaaggata tgtaacaag gaaacacaag 60
tatattcacc aggaaaacat tgttgtggaa ggaaattgta atgctgtgat tcaaaaaatc 120
cttccacca agcataaaga ccctgggagt gtaaccattc cttgtttaat tggagaagtc 180
attgtgggaa aggttcttat tgatttggga gccaatatta acttaatgcc actctccatg 240
tgcagaaggt tgggagagtt ggagatcatg ccactatga tgactttaca actcgctgac 300
cgctccatta ccagaccata tggagtaatt gaagatgtgc tggtcagagt aaaacatttt 360
atcttcatga cagactttat ggtaatggat atctgtgaag ataataacat tcctataata 420
ttagaaaggc gattcatggt aattgcgagc tgcatagttg ata 463

<210> 7369
<211> 489
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7369

aaatctatat atggttttaa acaagcttcc cgttatttgt accttaagtt tcatgggata 60
atttcttcat ttggttttga tgaaaacccc atggatcaat gcatatacca caaggtcagt 120
gggagtaaaa tatgttttct tgttttatat gtagatgata ttttacttgc agccaacgat 180
cgggggtttgc tacatgaggt gaaacaattt ccctctaaga attttgacat gaaggatatg 240
ggtgatgcat cttatgtcat cgacattaag attcatagag atagatctcg aggtattttg 300
ggtctatcac aggaaaccta tattaacaaa attctagaga gatttcggat gaaagatagt 360
tcacccagtg ttgctcccat tgtgaagggt gatagggtta atttgaatca ctgtccaaag 420
aatgactttg agaggggaaca aatgaanaac attctttatg cttcagttgt tggaagcctc 480
atgtatgct 489

<210> 7370

<211> 554

<212> DNA

<213> Glycine max

<400> 7370

tataggattc tacatgtgct aaatgactac actccatctt ttaatctacc aatgtcactg 60
cttccccaaa cattcccaac ttgcaacaac tacttagaag agagttatga ataatttccg 120
aggagagat tcccccttcc ctcatatgat ggtacaaact gaaagctaca ttcaagcgtc 180
ccactttgca cagtccatta ataagcttgc tgtaagtgtt aagattaggc acacagccac 240
attcttccat tttctcaaag agcacagttg tgattccaaa atcaatttta ctccatatat 300
ctgtattatc aacagagata tttgttaaac ttacatcaag ccccatggga ttgcttcctt 360
ccttcttatg tttttcaatc actagatgct tcattatgat ggagtatgtt agataagaag 420
gctcatcacc agtaccaaac atgcgcctga gaacaccaca tgcactatca agtagtccca 480
tacatccata tgctttaatt aataaattat atataaagga atcgagcaat acgccttcat 540
ttttaatctt gaga 554

<210> 7371

<211> 479

<212> DNA
<213> Glycine max

<400> 7371

agcttacttc ttttatattg tctgtgattat taaatataat aaattatttt ttctaataaa 60
ctatttatat atatatatcc aaactcaatg aataaatcct taaatgatat cacaaacttt 120
gaatttcaat tttcatatat agcaaagagc tttttttcaa cttaaataaa ttattcctca 180
aaaaggacac gtataataaa aaaatacacg aattcgtagt aatatttgaa ataaaaacat 240
tatattctta ctgaaattta attttacgtt gaactgtatt ttttactcct aatgggttaaa 300
taattgataa attatatctc ccaacattaa ttacacattt taccctaaac tttaaagaaa 360
ctcgtggctt ttattctcta tcattttatt tctaataata ctgtattttt taccctactt 420
attattcttt ggcaaattat accttcaatt tttgtgctta ctaatgaaaa agtgattga 479

<210> 7372
<211> 500
<212> DNA
<213> Glycine max

<400> 7372

tctcctattg ccaatcaccc aacaagcctt ggcttttttt gtagcaatga atgtgttgat 60
gaactactaa atggatctgt gaggatcttg gatattctgta gtacaattaa agattgccta 120
ctgcaacaca aggaaagagt gcatgaactt gagtcagcta ttcgcaggag aagagatgcc 180
gaggccggat tcacagtttc gagtggaaaa tacttggcat ctaggaagca ggtgaaaaaa 240
gcaattcggg aggccttatg aaatttgaaa ggattcaaga atgaactcat atttgcttcc 300
tcaaacaaag acaacgagac attgtgcatg cttagcttct taaaagaatc agaactagtc 360
accgtgagct cattaaaagc cctcttggtg tttatcactt gctcaaaggg acaatccaaa 420
cacaacaggt gggtcataat ctccaagttg atccaaccaa tagagtggga tgtgactctc 480
aagagccgat tcaaatgaat 500

<210> 7373
<211> 508
<212> DNA
<213> Glycine max

<400> 7373

agcttaggaa caagccttct ctcacctaata tggcctaaga agaaagctaa cactatatag 60
 agccttcagt ggccctcacac aaacacacta cactgtttct cacagtcctt ctcacagga 120
 gcaagatatt gagagccaac ccatcatagt gaaccgtgac ggctctgaaa ataagtacga 180
 aactacgttc cttatgacct cagaagaagg tggagaatac gagttggtgt acttcaagag 240
 gctcgatgat gaattcaaca aagtggacaa gttttacaag tcaaaagtgg aggaagtgat 300
 gaaggaagct gcaatgctca acaagcaaata ggatgctttg atagctttca ggatcaaggt 360
 tgagaagcca agtttggtgt tatttgatca ttctgtggag atgactcgtc ttgcttctga 420
 tgttgcttct tcatctgcag tgtgggcagt ttccacaccc aaaggggcca aattggacag 480
 taattaattt tcaccttcac ctcatttt 508

<210> 7374
 <211> 133
 <212> DNA
 <213> Glycine max

<400> 7374

agcttggtat tttattacct tttttggttt ctaagttatg aatcatctct caggctgcag 60
 tcattccaaa ttgtcgcatc ctcgctgcag ttggccagaa aatggcccg c actcccgcg 120
 ctagtgcctc cct 133

<210> 7375
 <211> 469
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7375

tctaaccac atgatgaata tgaaaaattt tgccctgttg acattctcca aaaataaatc 60
 taaaatcttt taagggcaca taagagtga aaacaaaagt acaaagagta ctattctgag 120
 agaccaaatt ctccattcc catgtagacc agcagaatct gtctgaatca tgattttgaa 180
 cttgcaatct ccagttgaaa gatctttgtc agtgacaaca gaaagaccgg ggaatttgca 240
 tgcactgtca atctggatc tcaattggaa gtaactattg aatgcataag aaagattacc 300
 acgagcatct aaaccaccac atgaagtttg atatccaaga cttgtgcaat ctgcattttg 360

acaagcataa gacacactcg gtgccacttg atcactattg agggttgctg aggttttcaa 420

aatgcaccac tttnttngta gatatgccac ccagtagca gctactaag 469

<210> 7376
<211> 483
<212> DNA
<213> Glycine max

<400> 7376

agcttttgca agctggaatc atttatccta tctccaacag ccaatgggtg agtcccgtcc 60

aggtagtccc gaagaagacc ggccacacag tgataaaaaa tgagaaggag gagctgattc 120

ctactcgggt gcagaacagt tggagagtct gcattgacta taggaggctg aaccaagtta 180

ccaaaaagga ccattttccc ctgccattca ttgaccagat gcttgagcgc ctggcaggta 240

aatctcacta ctgttttctt gatagttttt ctggttatat gcaaattact attgtcctg 300

aggatcagga aaagaccaca ttcacctacc ccttcggcac tttttcctat aggaggatgt 360

ctttcggcct gtgcaatgcc cctggtacct tccagcgggt catgattagt attttcagt 420

acttcttaga aaattgcata gaggtgttca tggatgattt cactgtgtat ggatcctctt 480

tga 483

<210> 7377
<211> 480
<212> DNA
<213> Glycine max

<400> 7377

agcttaccat cttcaattga aagccttttt tacctcagat tgctttgttt ggagagatgt 60

actttatatg acaacttatc catcataggg aagctgaaaa aattaagaat tctcagcttt 120

tctggatctc gaattgaaaa tttgccagct gagttaaaga acttgataa actacaatta 180

ctagacatca gcaattgttc agtagtcaag aggattccgc ctcagcttat gtcaagggtg 240

acttcgttgg aagagttgta tgtaagaaat tgcttcatgg aagtgtcggg ggaaggagag 300

agaaaccaat gtcaaatttc atttatttct gaactaaaac atttgcacat attgcaagt 360

gtggacttaa gcattccatg tgctgaagtt tttccaagg aattgttctt tgcaacttat 420

gtgattacaa gattgagaat gggaacttct aaatgctttc acctggagat ttcagaatgc 480

<210> 7378
 <211> 571
 <212> DNA
 <213> Glycine max

<400> 7378

tttagagatt ctactgggc cgggtgtcgt gacacacgtt tctctattac aggcttcttc 60
 atctttcttg ggaattctct catatcatgg cactccaaga aacaatccac tgtctcacga 120
 aggtcatctg aagcagaata tcgcgcttta gctaccacca catgtgaact tcaatggctt 180
 acataccttc ttcaagattt tcgcattcca ttactcagc cagctaacct attttgtgat 240
 aatcaatctg ctattcaaatt ttcttccaat cagggttttc ataagcgcac aaaacatc 300
 gaattagatt gctatatcga tcgcgaaaaa tcaactaaat gccttctcaa gcttcttcca 360
 gatagatcct ccatgcagct tgctgatatt ttaccaagc ctttatctcc tactcaattc 420
 aagacactaa tctccaagct gggaatgata aacatctatt ccagcttga gggggggctc 480
 ttaccactat gagagaattc gcgttgctgc tactgcataa gtgccgctac tgcagagttg 540
 ctgctattgc atttcattac atttcattta c 571

<210> 7379
 <211> 503
 <212> DNA
 <213> Glycine max

<400> 7379

tagcttatac gcaaaacaag agaggtgtta tttttaaaaa aaaaacgcaa acaaaatagg 60
 tcgcgtatga tataatttaa aatgtaagtc caacatcggc tttcaataaa aataaaaaaa 120
 aaatcgatgt taacaaaatg atgttaactt taacatcgat tttcttcaag aaaccgatgt 180
 taacttatca tacgttaaca tcgattttat gaaaatccga tgttaacgga tacatattat 240
 ttacaattat gccaccgtgt ttatcttaac atcgatttta tcaaaaaccg atgttaatct 300
 gacgatgtta aatctgtttt ttgtagtagt gtataaataa tacttggaatt attaacatgt 360
 agagactagt gtaaaaccta ctttggggtg agctactaat ggcttgagac aataatattt 420
 atatctttga gaaaaataga aaaacttgat ggtttattaa caatttaatg taatcctcag 480
 tgtttgagaa aaattattat aaa 503

<210> 7380
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 7380

ttggaattca atgtgaaaag ttatgactat tttaattttc cgagagcttc cgctgggtcat 60
 ttctgagcgt ctctatatgt gatgcgcctt aatctaacat ccgtgcgaaa agttatgacc 120
 atttgaattt ctcaagagct tccgttggtc aattttgagc atctcgatat gtgatttccc 180
 tgaatcgtac atccgtgtga aaagttatga ccatttgaat ttctcaagag cttccgttgt 240
 tcaatttcga gcctctcgaa atattatgcg cccgaatcgg acatccgtgt gaaaagttat 300
 gaccatttga atttctcgag agtttccgat gtttaatttc aagcgtatcg atatattata 360
 agcctcaacc ggacatccgc gtgaaaagtt atgaccattt gaattt 406

<210> 7381
 <211> 608
 <212> DNA
 <213> Glycine max

<400> 7381

agctttattc aagacaaaga aattttttat attcaagatg gatgatcaag actgtctata 60
 gagtcttata aaggttatat taaataggaa gggaattcca attgaagtag caaaagggtt 120
 ggccaagaat tttaagttaa aaagtctttt acaagaaatt tactctctgg taatcgatta 180
 ccagtggcca aaactgattt acaaacagct attaaaattt gaattcaaaa tttgccctgt 240
 gtaatcgatt acacatatat ggtaatcgat taccagtagt ttctgaatgt tttaattcaa 300
 attttaaagc ttgaaatcga ttccacatat actgtaatcg attaccatag cagaatttca 360
 gaaaatatta tcaatagtca catctttcta tgtgggttctt gaatgggcta ttcaaagcct 420
 atatatatgt gactcaagac acaattttct taaaattctt aaaacaaaaa ggcttacctt 480
 ttaaagtaa aataatttta ttctcttaca aattcttggg caaatacttt gggattcaat 540
 aagaaatatt taaaatctta aatgggttaa ttatcttttt caaaaaaatt catttttttt 600
 ttttttat 608

<210> 7382

<211> 521
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7382

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 ttctatccag ggttgatatc gttgctggag aggtcataat tgttctgctg tgggttgattt 120
 tgcttctgag gttgaggagg tctattgtaa atatttgtag cataagcttc aggtgctca 180
 atcgtccag gttgctgcat ggaagggcaa aggtctgtat ggtggtcagc agaggagcac 240
 aaaccacaaa cccttgtaac aggtacaaat ttctgattca aggccagctg gggtaccaag 300
 ttaaccaatg catccagttt gccttcaagc ttcttagtct cagatgatgc agctgagttt 360
 gtagctacct catgcactcc tctaattgact atggcatcat ttctggcact aaactgctga 420
 gaggtggaag ccattcttctc aataaatttc tgcttcagca ngagtcatgt cttcaagggc 480
 tcaccactgg cagcatctat tatacttctc tccatattac t 521

<210> 7383
 <211> 437
 <212> DNA
 <213> Glycine max
 <400> 7383

agcttctggt gggacatctt gacttgcttt ccaatctgac attcaccaca gattctgcct 60
 tcttctatct tcagattggg aatgcctcta acagcacctt tgtcaatgat tttcttcatg 120
 cctcttaagt gcagatgtcc aaatctttga tgccatattc tgacttcac tttcttggag 180
 gatagacatg tggaggagta gctgatttct tgggggtgtcc atatgtaaca attgtccttt 240
 gatctgctgc ccttcattag aacttcactc ttctcatttg tcaccaagca ttctgacttt 300
 gtgaagggtta cattgaatcc ttcacacac agctgactga tgctgatcaa gtttgagtc 360
 agtcccttca ccaacagtac ttgtccaga ctaggaagtc catcatgaac taccctttcc 420
 atttcaatga tcttttc 437

<210> 7384
 <211> 468
 <212> DNA
 <213> Glycine max

<400> 7384

tatccccgtt ttttctttgt atcaacgtgc tgtcaatgtg ggctctccgc ataaattttg 60
ttgctgtgct gcttcgttac tctaatacta tttctttttt ccttttaata atgaacaaga 120
gtatcactat ttttcttttt cgtacaaatt tggtagtatt tggtatgtca ttattattat 180
tagttttaat ttcatttggt atctataaat cctgttcctt ttaattattc tttttcaacg 240
aaaaacaaac ttggttagag tgagtttctt cgtgcattga aattgaagtt acattgcgtg 300
aatgttttagc agatttcgtc gtttagagag agcaagtcag atgatcggcg tttctatata 360
tttacagcaa cgaagacctt ccatctgaga actgattcaa ggaaagatcg cgtggcgtgg 420
atacaagcct ggttttaaca cgtgccctga tcctcttcac cactcatg 468

<210> 7385

<211> 511

<212> DNA

<213> Glycine max

<400> 7385

agctttacat tactcctcat gcttcttacc atgtctaata aggttcgatt tcttcgttct 60
gccacaccat tctgatccgg agaaccaggc atagtgtatt gggcaacaat cccatgttct 120
tgaagaaatt tcgcaaata gaactggggct tgtccatcct ctgtgtatct accatgggtac 180
tccccacctc tatctgatct cactgatctta atttgttttc cacattgttt ctcaacttca 240
gccttaaaaa cttaaaggc atctaaagct tcattcttat aatgaagtaa gtagcgatac 300
atatatcgtg aataatcctc tataaaggct atgaagtatt tctgactatt tgcattccatg 360
tctggacaac atatgtctgt atgtatgatt tctaataaat tagaactcct ctctgcccc 420
ttttaagact gttagtttgc ttacccttaa tgcattctac acaagtttca aaatcagcgg 480
aaatccaagg actaagtact tcttctttac t 511

<210> 7386

<211> 447

<212> DNA

<213> Glycine max

<400> 7386

ttaaatagaa aagaatatgt aaatattgat ttaaagcaca tggtgtttgc tttgctgatt 60

ttttgtatTTt catttatatt aatatttttt atatgccaat ttctttttat aaatctataa 120
 taaaatcagt gaaatcaaT caaatacca gtacttgagc attctattca aaactctctc 180
 ctatgcccT agctactgtt catgttacgc gaatagcaaa cattattaat acatatttag 240
 cattaagtca attatatatt taatttagtt ttttaaTga gtgagtgtta cgtataattt 300
 aagaattaat tcaaataTac agattgtgta aatattttta tgtgactatt taatcataaa 360
 ttagtatttt tttgtgatta tcttaaattt agagttaggt ttttttcatt aatcaacggt 420
 ataaaaaatg taacacttat tgcagat 447

<210> 7387
 <211> 454
 <212> DNA
 <213> Glycine max

<400> 7387
 agcttTtgaa tgttcacatt aatcatatgg acatgtctct ctatctggct tttgattatg 60
 cagaacacga cttttttgtg agtatatata atcgtgaaac tgttgacatg gcactctact 120
 taggcactag agttcaagtt gaaattaaag ttgtttgctt tcgtagttca tcaaaatggt 180
 tcccgagata atgtgtactt tctgatatct gaatatccaa ggtgttttta gtTtaatggt 240
 gccttttgac attcctagct agtgagataa ggcttggttg ttgcatcttg tattagacac 300
 attatggtct ttgcaatgga ctttatgcta ttgtataagt tttgcttccg tgtcttataa 360
 aatgttggtg aattttctct aggaagagat atacgtaggt agcaaggaat tgcttgttct 420
 gattaattga gtgtaaagat tgccattttg aatg 454

<210> 7388
 <211> 536
 <212> DNA
 <213> Glycine max

<400> 7388
 taactaaaga taacatttgc tgaatgggat taatgtttgt tttgttTgtg tgaaatgtgc 60
 agacaacgca gtgatcaatg gggattttga agagggtcca tggatgttca agaacacttc 120
 actgggtgtg ttgcttccca caaatttgga tgaagaagcg tctcactac ccggttggtat 180
 agtcgaatcc aaccgtgccg tccggtacat tgattctgat cattactctg ttccacaagg 240

caggagagcc attgagttgc tctcaggaaa ggaaggaatc atatctcaaa tggttgagac 300
 caaaccagac aagctctaca gcttgacctt ctcattgggt catgctgatg acaagtgcaa 360
 ggagcctctt gctgttatgg cctttgctgg tgaccaggct cagaacattc actacactcc 420
 caatttcaat tccaccttcc aaactgctaa cgtcaatttc actgccaagg ctgagaggac 480
 tagaattgca ttctatagca tatactacaa caccagaagt gatgatatga gttctc 536

<210> 7389
 <211> 477
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7389

tcgatgaa tcaagattga ttcaaagagt tttgatgatt actaagatga tgacaaaaag 60
 ctcaagagtc aagaacactt catgataaca aagatgatga tctcaagaat caaaggatga 120
 gttcaagatt gaatcaagaa cacttcaagg ttcaaaagga aatttgattt caagaatcaa 180
 gtttcaagat tcaagaatca agagaagact caatcaagat aagtattaaa aaaaattttc 240
 aaaaactgag tagcacatga atttttctca aaaacctttt accaaagagt ttttactctc 300
 tggttaatcga ttaccagatt attggtatcg attaccagta gcaaaatgat tttcaaaaag 360
 ctttcaactg aatttacaac gttccaattg atttcaaaat gttgtaattg attacactaa 420
 tttggtaatc gattaccagt gtgtttgaac attgaaattc anattcaaat gtgaagt 477

<210> 7390
 <211> 535
 <212> DNA
 <213> Glycine max

<400> 7390

agcttgcttc tacagagtga aatatgattt tagatgaagg aaaacaggaa aaagaaaaac 60
 aaaaagaaaa agagaagggt gatgaggaga aaaagaagag caagagtgag gttttaagag 120
 agaaaaagaa cgagattact tcagctgaag gaaaggaagt accatatcca ttggtacctt 180
 ccaagaagga taaagagcga cacttagcca gatttcttga catcttcaag aagctggaga 240
 tcactttgcc ttttgagaa gttctccaat agatgtcact ctatgcaaaa tttttaaaag 300

acatgctaac aaagaagaac cagtatatcc acaatgaaac aatagttgtg gaaggaaatt 360
 gtagtgctgt cattcaacgc atccttcctt cgaagcacia agatcctgga agtgctacta 420
 taccgttttc cattggcgag gttgttgtgg gtaaagctct cataaacttg ggagctagta 480
 tcaaattaat gcgtctctcc atgtgccggc gacttggaga gatagagata atgcc 535

<210> 7391
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 7391

tattctatga tattgggaat aatgtctgtt aatttataaa tgttggcagt ttaacataaa 60
 taatgataag gatgggctct tttgtttatt aattttatgt acaccctgcc gttctctttt 120
 tccatttaaa acaacaccac cttttctagt tattaattaa atatttctca acttgcaagc 180
 actaaatcgt ttgatttccc ctctttgatc ttgtgtgcgt gtgtgtgttt tgtgccatgt 240
 acttttgcta tttctgggtc acaactgata tagtctctta agagaatcct actctttggt 300
 ggcttgaaat gtccctgact tacgggatgt ccataaaata caattttgcc acttactgac 360
 actttacttc at 372

<210> 7392
 <211> 451
 <212> DNA
 <213> Glycine max

<400> 7392

agcatgtagt ataataggta tgctccttta ttataaatcc aaaaggcata agttagaaag 60
 aaaatggaat cttgttttaa atatgaaccg caaggaaatg tatttattaa agtactatcc 120
 atcataatat tatgtgaact ctctatttaa taataaatta gaatgaatac atttcaatat 180
 cttttatatt aatattttct ttggatcatt cgatattttc atatatttaa gttgatttga 240
 tatgacataa caaaaatttt aaacatgaca aaaaaataaa agacttaaata atgtttttca 300
 tatatataat attttttttt tcatattggg atctattttt gctttccacc taatctttac 360
 agaattttgt ctttgataca tgctgttaat atttatctat taagtaataa cgtgatatta 420
 cattattact gaaacatcat tgtaatagta g 451

<210> 7393
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 7393

agctttcttc aatcgctgat acgggtgata tggtttgaga aatcttcggc gcctagtata 60
 tattgtcttc tttccatggt tcatttggat gaagctcatg tttctctcac aaatagggca 120
 tgcattgatgc cctttgacac tatatccact taaatttcca tatgttagaa agtcattaat 180
 agtacaaaac accattgatc gtaacctgaa ggtctgttgg agattcccat cctacacatc 240
 aaccctatca ttccccgact gccttggacc cgctatcatc atacacagga taatgtatct 300
 ttgcttgatg cacaacaaa gagggagggt gtaaatacgc accaaaatag gccatgacct 360
 gtgggttgtg cttaagttac caaaagaatt cattccaccc agagcaagac caagccttag 420
 gtttcttggc tca 433

<210> 7394
 <211> 460
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7394

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 aagtaagggt ttagtttctt cagaacttct ccattggaag taactacaaa tctgaagcca 120
 ggtggtgtaa cagcacctgt gagtgccacc aactgccat cttctttcac agccttcact 180
 gccctgtcac attgccctgc aagtcaccag caaggaatga aacactatca acaacatgag 240
 tagtataaat tagtattggg ggaagtggga ttttggaag aaaattttgt gattttccct 300
 tatagagtat attgttaaca ggggtgtgagc gttgtaaaca ctctagtacc gtgttcaatt 360
 gctacagata aaaaaataga gtatattgtt tcattgaatt tcagaanatt aagtatgata 420
 tacatgataa caaattttct tttccatcta cctgtgcgga 460

<210> 7395
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 7395

tggttcctaa cgctctgttc aggctatccc aaaatctatt gttaccctag gatctctatc 60
agacactata ctagatggca caccatgtaa tctaacaatc tcactaatat acagggaggt 120
caacttctcc aaggaaaatc taatattaat gggaatgaag tgagcagact tggtcagtct 180
atcaacaata acccagatag aatctaaacc tctgggggttc taggtagtcc tacaacaata 240
tccatggaaa tactgtccca cttccactat ggtatctcca agggttgtaa cttccctgaa 300
ggtctctgac taaacatgca cacacaaact cactaacctc tctcttcatg ttaggccaat 360
aaaacatcat cttcaaatcc tgatacatct tggtagcacc aggatggatg ctaaagtttc 420
tccta 425

<210> 7396

<211> 390

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7396

agcttcactc tgatctgcca tgttctttta attaggatcc atagggcttt caacaggctc 60
acagttctgc atacctgttt cttctaaaat atcaagagca tacttcctct gagaaatcac 120
aataccatct cctgattgag ccacttcaat accaaggaaa tacttcaaag atcccagatc 180
tttggtatgg aaatgactga ataagtgtc tttcagctgg acaatcttag tagtatcatt 240
ccctgtaatc actatatcat caacatagac cattagatag acacattttc caggagatgt 300
atgatagtaa aatacagagt gatcagcttc acttcatttt agtccaaaca tttgaacaac 360
atgactaaat ttaccanacc atgctcgagg 390

<210> 7397

<211> 411

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7397

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acttggnttt ctaatcttgc aatactcatt gatgacgacg acccgatagc ctttcacatc 120

tggcttcac ccatgactaa ccatttcctt caaatgctaa acagcctcat cagacttccc 180
 cacaatgcaa aacccttca acaagctagt gtttgtggca acgtcttctt tcaaaccatt 240
 caactgaatc ctactcatca tcttcctggc ctgcgccgct tcaccgctca aacaaagacc 300
 ttcaatcaaa gcattgtagg tcacaacatt cggggaacac ctcccataat ctctttcaag 360
 cactcaagcg catctcgga atcacctctc tttgaatacc ctgcaatcaa a 411

<210> 7398
 <211> 350
 <212> DNA
 <213> Glycine max

<400> 7398

agcttatgac aatttgaaat tctttagttt tttcgaagat taatttcgag cgtcgcgata 60
 tattataagc atgaatcgga cctacgtgtg aaaatttatg accatttgaa ttatttgaga 120
 gcttcgctg ttcaatttcg agcgtctcga catattatgc gcctgaattt gacttgccctg 180
 tgaaggctat gaccatttga atttctcaaa gagcttccga tattcaactt ccagcttctc 240
 tatatgtgat ccgcttaa at catgacatcc gagctaaaag ctatgacaat ttgaatttct 300
 caaaagcttg cggagttcaa tttcgagcat gtgcgtatac tatgcgcccg 350

<210> 7399
 <211> 559
 <212> DNA
 <213> Glycine max

<400> 7399

tgagttggtg accattcact ttttaagactt tgggtggttat tttattttta atctcaattg 60
 caccatgagg aaaaaacatt agtaataaca aaaggatcat cccatctaga tcaaagtttg 120
 ttggaaataa gcttgagaca agagttaa ac aagagcactt tttagtcaat atggaactcc 180
 ttcctaagga tcttagagtc gtgaaatctc ttcactttct ccttgtaa at cttggatttc 240
 tcataggctt ctaagcggat ctctcaagt tcttggaatt aaagcttctt tttcatacct 300
 acttcatcaa atgccatgtt acaacccttc acttcccaat aagcacgggtg ctcaatctcc 360
 accgaaaggt ggcattgcctt accaaaaccc actctatagg gagacatcct caaaggtaat 420
 tagtaagcga tctgtgggc ccatatagca ttctcaaagt tcttgctcca atccttccta 480

atggggttgca ctaccttctt gaaaacttgc ttgatctttt tattaaaaaa cctccgcatg 540
cccattagtt cggggatga 559

<210> 7400
<211> 439
<212> DNA
<213> Glycine max

<400> 7400

agcttacaaa tctattttta agtcctttct ctataaacga aataaaataa aatctggaca 60
agataagata agattggatg aaataaaata tggacgaaat aaaatgtaga tggaataaaa 120
tctagacgaa ataaaatcta gatggaataa aatctggata agataagatt tgataaaata 180
aaattgtctg ctctcttcaa gttgaagecc aatttcggat tcaagcccaa ttgcttataa 240
ttctcctgaa attaaattaa aaacacaaaa ttagtcaagt agggccaaat gataaaaactg 300
cataattaat ttgacaatta aggctaata gtaattaaaa tggtgagaaa aagggttaaa 360
aaataggaga aaataatgac acatcatcaa gctagggtta tcttttgcct agttactcag 420
ctggacatga atgtcggag 439

<210> 7401
<211> 109
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7401

ctgatactgg ggacagatgt cgtacaggat gtcacgacat cacgcttcag aacatgccag 60
atgtctttga ctgtatgaac aaattaagca agtanataac acaagagaa 109

<210> 7402
<211> 211
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7402

gaagagaatg ccatgtatca ctgtatatac cagacagtca gtgagagtag gaaattgttc 60
cttgtattat acgtagatca tantttgctt gcgactaatg ataagggtat gctatatgag 120

gtgaatcaat ttctctcana gaaccttgat atgaaggata tgggagaggc atcttatgtc 180
atangcataa agatccatag agaaagatct c 211

<210> 7403
<211> 250
<212> DNA
<213> Glycine max

<400> 7403

ccctatgctg ggagggatga tcattccaca ataacctcag tctgcatct ccgacactaa 60
tggaacgcct actaggtctt taaacatctg cacttccgac ctcaagacaa ataagactgt 120
gccttcccca gagttaagag tgaccatgga ctagatgatc ggatcagcct atatactcta 180
tgctgcccac acgatggctg aactcatgta ccctctgcag ccctcacagc acaacagaat 240
ggcatgattg 250

<210> 7404
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7404

agcttattat ataagataat ntaattctat tttatatcgt aaaaattata gttactatat 60
atttaattaa gtttggttatt catataagat ttttattatc tctttttatt acataattca 120
tattataaca tttttttact attaaacatg tagatcaact aaggattata tctacttaac 180
aaagtattgc caaatttttaa ttttaaatat ataattatgt taaattttcg gtcaagataa 240
aaaaaatata tattttctca tgaatataaa gaactttgta acttctcaat gaaaatgggc 300
cctgcttctt tagttcactc aattcaaatt aacttcttct ttttcttact ttntatctat 360
ctttnttaac tgaaaaataa agtaatgttt ttttatttct aatcaaaa 407

<210> 7405
<211> 389
<212> DNA
<213> Glycine max

<400> 7405

taaacattca acttcgagcg tctcgatata ttactggact tattcaaaca tccgagtaaa 60
aatttattgc gggttgaatt agctcagaga tacaattatc aatttcgagc gtatcgatat 120
attacgggac tcaatcggac atccgagtaa agagttattg tcgtttgaac tagttcagag 180
attcaacatt caatttcgag cgtctcgata tattacggga ctcaatcaga catccgagta 240
aaaggttatt gtcgttttaa ctagatcaga gattcaacat tcaattccga gcgctcgtt 300
atattaccgg actcaatcga acatccgagt acaaagtgat cgctcgtgtga attggcacag 360
aggttcaaca ttcaatttcg agcgtgtcg 389

<210> 7406
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7406

agctttgagc caactcanac gatattttct ttntactcgg atgtctgatt gaggcccgtg 60
acatatcgag acgctcgaaa ttgaatgttg aacctctgag ccaattcaaa cgacaataac 120
ttttttcacg gatgtctgat tgagtcccgt aacatattga gacgctcgac attgaatgtt 180
gaacctctga gccaatcaaa atgacaataa ctttttactc ggatgtctga ttgagtcccg 240
taacatatcg agacgctcga aattgaatgt tgaagctctg agccaatata aacgaccata 300
actttttact cggatgtctg attgagtccc tgaacatatc gagacgctcg aaattgaatg 360
ttgaagctct gagccaatac aaacgaccat aactatntac tcggatgtct gattga 416

<210> 7407
<211> 420
<212> DNA
<213> Glycine max

<400> 7407

agcttgtatt atagtctata ttgttatgtt acgaagaaag taaagttagt actttttttg 60
aagaggagta aagtcagtcc taaatttcaa taattgtgaa ctagttcagt tttaaaataa 120
ggacacaagt gtaccctaaa attaagaatc aataatcgac agataagaaa gcatacgaat 180
aattcagtat aaaaaaagaa ggtataggaa taaattactt ttgttaatgt ttcaaattgt 240
ttgactccta ataaaattaa ggattaaatt ttttattttt taatctgaag aataaaacta 300

atcaatcaca tcaatcttga aaaataaatt ggcattcaat atattgtaaa atttacatca 360
 taaataaaga ttttatttct tttctcttgc aaagtaaact tgtattccat gtttaattta 420

<210> 7408
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7408

agcttgaac atatagactg tttttgggtt ctcttangga cttaaacaaa atatccgctg 60
 gctggtcatt aaaaccaagg aactcactga cgatctcctt ggacagaagc ttctctcgaa 120
 tgagatgaca accactctct atatgctcag ccctttcatg aaagactggg tttgaggcca 180
 tatgaacagc agcctgacta tcacaatata ccttcatttg caactcttca catgacctca 240
 attcttgcag aaatggttga atccacatga gttcacaagt aaccatagcc atcgatcgat 300
 attcatcttc tgcactagac cgagctacaa ccgactgttt gttgctttta caagagacaa 360
 gagatactcc aatgaagaca cagtagcgtg atgtagacct cctatccatg ggac 414

<210> 7409
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7409

ctcgtttcca tattcaaatac aaataagtgt ttcgttagtt gttcttttat caagtccatg 60
 aaaaaatatac taagttcatt tgggttttga gaaagtcctt cattgttttt cattctcaaa 120
 tggttttcaaa agaaatcctt ttgttgtgtt ctgatccaaa aataagtttc acaaatactg 180
 gttcatgatt ctttccaaaa catgttatgt tcaagacnaa atttctattt aattcctaaa 240
 aaagagttat aatttataac tatactaaca gaatatcaaa gcacgcacaa attagtcaaa 300
 ataaacttgc gtaactttct caaaaaatta aaaacaataa ataaggtaat aaagtattga 360
 aatttaatac aaagcgataa gtaaacacat agacaagttc acgaatattt gaagatcatg 420
 gctaaggagc tcagtctctt tgacgatcat g 451

<210> 7410
 <211> 468
 <212> DNA
 <213> Glycine max

<400> 7410

gctaattggag ctcacatcat tagtctccct ggcctctctt ttctctaag taagatgaat 60
 gggtttggat tatgaaaaat gggagtga aaataaaatt caatttcac catattaaat 120
 atgtggaaat tcatctaag ttttttttaa ttatttattc atatacttta aataaattat 180
 aaattaagtt attaattata gtttaattct atgtatgtaa tgtatatatt cataatgaat 240
 aataaataac ttatatattt agttaaatgt ataaatttta attttggtat aattagtatt 300
 atgattataa tattatttat ttaactatta aaataattat tctatatctt tatgattata 360
 aaaaaagtaa aatataaaaa taattagata attatataat taaaaattac atgtaaatat 420
 atacaaaaat aattatagat agacttatag ttatatattt taataata 468

<210> 7411
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7411

cctaagggag gacctttcag tttggagatt atcttatctt tgcctatagg ttggacctcc 60
 cagaagagta tggagtcagc accactttta acatttctga ttttaactcct tttgcaggtg 120
 gagctgatat tgaggaggag gaactaacag atttgaggtc aaatcctctt caaggggaag 180
 gggatgatgc aatcctccct aggaagggac caatcactag aaccatgagc aagaggctcc 240
 aagaagattg ggctagagct gctgaagaag gcctaagggt ctcatgaacc ttanggtaga 300
 tttctgagcc catgggccaa ggttgggtcc aattatcttt gtacatatta gactaggatg 360
 tcattatatt tggctcctgt atatagggt ccatattgta ggtagggtag cctagaaata 420
 taggattttt cagcccttgt atttttgggc acct 454

<210> 7412
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 7412

catgcatctg catccctaan aatcatgtta actgcattta ttntctacat ctaatatcca 60
gtcgtgtcga tttgggatga ctgaccctct cgatgagtcg atctcttget ttctcataag 120
ggatgaaccct tgggtactag taccctcacc tccagaggac tacatgtcct cgccttcaga 180
gggccacacg ccctcgcctt caaaggactt cagtcctca ccttcagagg actacacgtc 240
ctcgccttca aagggtcatg tacctttaac ttcagaggac tacacgtcct cgccatcaaa 300
gggtcatgta ccttcacctt tgtagggcaa cagccctca ccttcagagg actacacgtc 360
ctcgccttta gagggccgca caccctcgcc ttcagaggac tacacgtcct caccttcaga 420
ggactacacg 430

<210> 7413
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7413

agcttcccg c atccacattn ggaatgatct tanttctgcc ttcattaggt aatatcagta 60
caacaccgat atggctccca accgaacca gctgcataac atgagtaagc gagagcatga 120
gtctttcaaa gagtatgctc aacgttggag agatctagca gcacaagtgg cccctcccat 180
ggtcgagagg gaaatgatta caatgatagt ggatacccta ccgtgttcta ctgtgagaag 240
ttagtgggtt acatgccctc cagcttcgag gacttggat tgcgtggaga aaaggatcaa 300
agtgggtttg aagaggggga aatttgatta cgtctcccc gccggtacga gcaataggag 360
gactagagta gctggagcaa agaagaagga gggagatgcc cagccatca cttcaac 417

<210> 7414
<211> 323
<212> DNA
<213> Glycine max

<400> 7414

gattaatacc tcccaaacat caatggtaag aagtggctgc aagaaattaa gataaaatca 60
catcagaatt taccagggaa atgaactcat tagaccaac tatcattcat atttcaagat 120

aagtaaggaa caataatatt attactactt acataatagc ctccccaac aaggggggttc 180
acagcattgg gactcttgag caccactagc ttgttggcct catctggtga aggaggattt 240
gctgcatttt ccccatcaaa tttgcttgct ctatctatat ttcacaca aaaaagtga 300
tgaacaagaa ggatatgtaa ctc 323

<210> 7415
<211> 357
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7415

tgccttgccc cttgatatat tngagggact tatgggttatt atgaatgaca aattccttgg 60
gataaaggta gtgttgccat gttttcaaag cccgtactaa ggcatacaac tccttatcat 120
aagttgaata gttaagggtta ggaccactta acttttact aaaataagca attggatggc 180
cttcttgcat caacacagcc ccaatcccaa catttgaagc atcacactga atttcaaat 240
atttttgaaa gtttggaac gcaagtatgg ggcattagtt agcttttagct taagaacatn 300
gaaagcttct tcttgtttct ctccccattt gaaaccagca ttttcttga gcacttc 357

<210> 7416
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7416

agctntgacc aaattcattc tatgttttct tttttactcg gatgtctgag tgagtcccg 60
agtatatcga gacgctctaa attgaatgct gaagctctga ccaaattcaa acgatgataa 120
ctttttactc ggatgtctga ttgagtcccg taatatatcg agacgctcga aattgaatgt 180
tgaagctctc agcagattca gacgataata aattgggtact cggatgtccg agtaagtccc 240
gtaatacatc gagacgctcg aaaatgaatg ctgaagctct catcaaattc ctacgacaat 300
gattctgcta gtcagatgtc tgatcgagac ccgtacttta tcgagacgat cgacactgat 360
tctgaagctc tgagc 375

<210> 7417

<211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7417

gacccctaag cacctgcggc tgcagctatg actcgnnttct tgggtatattt ttctatatga 60
 tgatgaggat gggattttgt gaaagatgga gaaaatggat ccatggatgc ctttctagt 120
 caactatatc aattttgatc aatgacagcc ctactagaga atttgtgctt gagaggggac 180
 tgaggcaagg agatccccctt gcacctttcc tatttaatat agcagctgag ggactcactg 240
 gtttgatgag gacagttgtc tccaaaaacc ttttcagcag ctataaagtc gggaggcaaa 300
 aggaggagat taacatcttg cagtatgcag atgatacact gttttttgga actgcaacta 360
 tagctaattg tagagtcatg aaatctatcc tcagaatttt cgagttgggt tcaggactca 420
 agattaacta tgctaaaag 439

<210> 7418
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 7418

agcttatagg atgtgatcgg actattatga tcacttctgt cgccgcatag ataggtaa 60
 gggcttctct aattgctgag atgtgcaatg atccaggatc attcagcata ccttgatatca 120
 tagggaatag caagcttgac aatgccatgc tagatctaag agcttctgtt agtggtatgc 180
 ctctgtctat ttttaattct ctatcttttag gtccgttgca gacaactgat gtggtaatc 240
 atttagctaa cagaagtgtc gcctatgctg ttggtttcat agaagatgtc ttaactagag 300
 ttggtgaact aactttccct gttgataatt atatcttgaa tatggaagat ggattttctc 360
 agagatcagc tcccatcatt ctaggcagac cctttatgac aactgctaga acta 414

<210> 7419
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7419

agctatgagg aaatncaaat taaattcttt ttaactcgna tattcgattg agtcccgtaa 60
 catatcgaga cactcgaaat agaatacaga agctgtgagc aaattctaac gtcaataact 120
 ttttacaata atgtccgatt gagtcacgta atatatcgag acgctcgaaa ttcaatgcag 180
 aagctctgag caaattctaa cgacaataat tttttactta gatgaccaat tgagtcattg 240
 aatatttcga gacactcgaa attgagtaca gaagctctga ggaaattcaa atgaaaatac 300
 atttttactc ggatatccga ttaagtcctg taatatatcg agaaactcga aataaataca 360
 gagctgtga gcaaattcta ac 382

<210> 7420
 <211> 426
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7420

agcttccttg ttnntgcttt aacagttgat gtctttattc atatgagaat atgccttttc 60
 tttntattgt aaagatgaaa tctcatacaa ttgtctaatt tccatcagaa ggcaatgaag 120
 atgccaatca ctgtggaagg aaatgagctg agtagattta gtgacccgcc aggagatgcc 180
 tacttgatg atttatttca tccattggat aaacaacctg nggagggttg agcagaggcg 240
 tccacttcta catccacttc acatatgact aaaggtaatg catctgcaat tgatggtgtg 300
 aaaaatgact tggctaaaga gttgagagct acaattgctc gaaagcaatg ggagaaggaa 360
 agtgaaattg gacaggcaaa caatggcggg aatcttttgc accgagtgat gataggcgtt 420
 ctaaaa 426

<210> 7421
 <211> 419
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7421

agctnggatt tccttttagta gggaatctat tcttttatta tggagccaaa ccaagtcacc 60
 ctcattaaga actagctctt ttcttcctct atngccttta gttgaataca cttttgtttg 120
 gttctctatt tggttcttaa ccctctcatg catcttcttt acaaattctg acctagattc 180

cccttcttta tgtataaaaa aagtgtccag tgggagggga atgaggtcta acggtgttag 240
 gggattgaac ccatagacaa cctcaaaagg ggactgcttg gtggttctat gaacccccct 300
 gttgtaggca aattctacat gagaaagata ctcatcccaa gacttatggg tgcctttcag 360
 aagagccctt anaagggtgg ataaagacct attcactacc tctgtttgcc catcagttt 419

<210> 7422
 <211> 468
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7422

ctaagctagc taacacacct ctctaatagc taagttcacc tcctttaaat atatgctaga 60
 gcttagctac atacccccta taatagctaa gctcacccgc atgacaaaana aacatgaaaa 120
 taccaaaaaa aaagtcctta ctacaaagaa tactcaaaat gccccgaaat acaaggctaa 180
 aacctatac tactagaatg gccaaaatac aaggcccaaa cgaaggaaaa acctattcta 240
 atatttacia agaagagtag atccaacctt gacccatggg ctcaaaaatc taccctaagg 300
 ttcattgagaa tcttagggcc ttcttttagta gctctagccc aagtctcttg gagtcttcta 360
 tccaataccc ttgggggggta ggattgcac agcagctata ggcaggattt atatccatta 420
 cttgaaacac cacattgcaa gtgtgggggc ctatctgaat gggaatgt 468

<210> 7423
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 7423

agcttgctga tacaattatt aggggattgt ttagtactgg cctataacaa atagtccaaa 60
 ggaggttatg ttcttggttg agttggaaga agtcttgga gcaactcaac cccagaatt 120
 tcagcgttgt atggtgccat tgtttcgtcg cattgcacgt tgtttgaata gccctcattt 180
 tcaggtttga atttttcaat actttcctct ggctcctttt ctgtttctcc tcttatttca 240
 tgatgaaaat acacctgaat ttcaaattaa ttctctctgg caacttcctt catactgatt 300
 acctgaatcc tatactcaca ttcacttcct ctagttgata agttgtttta attagcaaga 360
 aaaggactaa cctttttgca tcctcctata gctaaatgca tattgtctta tggttttgaa 420

<210> 7424
 <211> 422
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7424

agcttagaat tatacaataa cactttttgt ttctccatga agtccttctt aattatcatg 60
 ctatcatgga acttcttggt cttttctttg tagaacttgg cattctcata cgcttctagg 120
 cggatctcat ctaactcact cagttgcaac tttctttcct caccagcttg atccatagag 180
 aagttgcaag tcttcaactgc ccagtatgct ttgtgatgta atcctacccc ccaagggcat 240
 tggatagaag actccaagaa gattggacca aagatgcaag agaaggccct agggttctca 300
 tgagccttag ggtagatttt gggcccatgg gttaagtatg tgcccactta tctttgtaca 360
 tattagatta aggtttcatt aattntgggt cttgtattta gggctccata atgtaggtag 420
 gg 422

<210> 7425
 <211> 457
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7425

taccctgatg aggatgtccc atatgttcta tttctggact gattcatttg cttccaaagt 60
 ttcatggcct tgcaggtgaa gacccgcaca aacatttgaa agaatttcac attgtctgct 120
 ccaccatgaa acccccagat gtccaagagg atcacatatt tctgaaggct tttcctcatt 180
 cattagaggg agtggcaaag gactggctgt attaccttgc tccaagggtcc atcacgagct 240
 gggatgacct taagagagta ttcttagaaa aaattttccc tgcttccagg accacagcca 300
 tcaggaagga tatctcaagt attagacaac tcagtggaga gagcttgtat gagtactgng 360
 agagatntaa gacactatgt gccagttgcc cccaccatca gatttcagaa cagcttcttc 420
 tccaatatct ttatgaagga ctcagtaata tggagag 457

<210> 7426
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7426

actgcaacat tataatgacc cnetcgttca tttttttaac agcagaataa ttatgatatt 60
 tcaagcaaca gatataatcc cagttggaag aatcatccaa ctctgagatg ggcaagtcct 120
 ccacaacaac aacaatctgt ccctcctttc cagaatattg ctgatccaag caggccatat 180
 gttcctcctc caatgcagca acaacaacag caatcacaac aaagacaaca agcaattgag 240
 gctcctcctc aaccttccgt agaagagtta gtgaggcaaa tgaccatcca agatatgcaa 300
 tttcagcaag agacaagaga ctccattcag agtctgacaa atcagatggg gcagatggct 360
 actcagttga atcaagctca gtcccaaaat tctgacaaat ggccttcaca aactgtggaa 420
 aatctgaata atgtgagtgt catcaccttg 450

<210> 7427
 <211> 476
 <212> DNA
 <213> Glycine max

<400> 7427

tccttgagaa gattcctaaa gaagctagag cttagctact tacacttttc taatagctaa 60
 gctcacctcc ataagatgag aagccagagc ttagctacac accccaata aaagctaagc 120
 tcaccctcat gacaaaatac atgaaaaaac aaaaaaagtt cctactacaa agactactca 180
 aaatgcctcg aaatacaagg ctaaaaccct atactactag aatggccaaa atacaaggcc 240
 caaacgaaga aaaaacctat tctaataattt acaaagataa gtgggctcat acttacccca 300
 tgagctcgaa atctacccta aggctcatga gaatcctagg gccttcctt ggatctctgg 360
 cccaacctac ttggagtctt ttatccaatg cccttgcggg ataagattgc atcaatatgg 420
 aagccttaag ttgtcacaac tcaacctccc aatttcaaaa tgtatgacta acacag 476

<210> 7428
 <211> 454
 <212> DNA
 <213> Glycine max

<400> 7428

aacaacagaa gctcttgaga aatcaaattg tatatTTTTT acacggaagt ccgattcagg 60
tgCataatat atcgagaccc tcgaaattgc acaacggaag ccctcaagaa agacaaatgg 120
tgataacttt tcaaacggaa gtccgattca ggtgcataat atatcgagaa gcttgaaatt 180
gaacaatgga agctctcgag aaattcaaatt ggtcataact tatcacacgg aagtccgatt 240
caagcgcata atataccgag acgctcgaaa ttgcacaacg gaagccctca agaaattcaa 300
gtggtgataa cttatcacac ggaagtccga ttaaggtgca taatatatcg agacgctcga 360
aattgaacaa cggaaggtgt cgagaaattc aaatgggtcat aacttatgac acagaagtcc 420
gattcaagcg cataatatat cgagacactc gaaa 454

<210> 7429

<211> 420

<212> DNA

<213> Glycine max

<400> 7429

agcttgaaat tgaacaacgg aagctctcga taaactttat ggtcataact tatcacacga 60
acgtccgatt caggcgcata atatatcgag acactccaaa ttgaacaacg tagggctctg 120
agaaattcaa atgttcataa cttgtcacac gaaagtccaa ttcaggcaca taatacatcg 180
agaagctcaa aattgagcaa cgaatgctct cgtgaaattc aaatgggtcat aacttgtcac 240
acggaagtct gattcaggcg cataatatat cgagacgctc gaaattgaac aaccaaagct 300
ctcgagaaat tcaaattggc ataacgtttt acacggaggt ccgattctgg cacataatat 360
atcgagaagc tggaaattga acaaagaaag ctctcgagaa actaaaatgg tcataactta 420

<210> 7430

<211> 409

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7430

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caagcagtga ctggtaaatt gtccaagcgc ttctatggac cgtctcagat catagaacgc 120
gtgggtaagg tagcctatcg tttgaagctt cctgatgggg ctctgatcca tccggtatTT 180

cactgttccc ttttgaagcc attccacgga gaccccatc ttgattcacc caattcactg 240
 ccgacacgct ttattaacgg tcaaccgatg cttacaccgc ttgccattct tgattatctg 300
 cgacataaag agagggacac gtgggaagta ttggtccant ggcattggact tttcactgat 360
 gaatcctctt gggaggactg ggaacagctt aagcaggatc atcaccttg 409

<210> 7431
 <211> 458
 <212> DNA
 <213> Glycine max

<400> 7431

cgcttggagt ttccaagtgc caactcgtct tcttctttat tctagtcttc ttctggcttc 60
 aattcttcag tgggctttcc ttctgtgtcc agcatcttgg gatgttccca gcctttgatg 120
 acagctttcc aggttctgct atccagtgat ttgaggaagg ccaccattct tgctttccaa 180
 tattcatagt tgcttccatc gagaattggg ggtctgttca ctggcccgcc ttctttctcc 240
 atgttcatca gaatttatct ccctagatct cactctgtga tttcgagtgt tggctctgat 300
 accaattgaa attctgatac caggggacag atgtcgtacc ggatgtcacg acatcacgct 360
 tcagaacatg cagaatgtat gtgtccgtat gaacagatta aacaagtaaa taacacaaga 420
 gaattgttta ccagttcgg tgcaacctca cctacatc 458

<210> 7432
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7432

agctntgaga naaatataac gacttatact ttttctcgga tgtctgatcg agcccagtaa 60
 tatatcaaga cgctcgaaat tgaaaatgga agcactaaga aaagtcaaac gacaataact 120
 ttgactcgg atgtacaatt gtgtcccgta ggatatcgtg acgctcgtaa ttgaaaacgg 180
 aagctctgag aaaaatcgaa cgataataac ttttaactcg gatgtccgat tgagccctgt 240
 aatatatcga gacgctcgaa agtgaaaacg gaagctctaa gaaaagtcaa ccgacaataa 300
 cttttaacta ggatgtccga ttgagcccta taatatatcg agacgctcga aatggaaaac 360

ggaagctcta agaaaagtca aacgacaata acttttgact cggatgtccg a

411

<210> 7433
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7433

agctntagat agatttatca gtatataagt ttactttttg tatgtttaaa tgtattgcct 60
gtaatatattt tacattttctc tagttgtatt ccctgtagaa tatggactag gttagtacgt 120
ctcatcttat gaatgttate ccactttctc tttcttctca tgtagttttt gcttaatttt 180
tttggctttt gctttagggtt gttgctcaca tgatgcctga ccttcctaata gttgggtgttg 240
aaagggacat ggaaagtttc cgggagtttt ttgagagccc catgtttaga gcagatgggc 300
ttaaataata tcctacactt gtaattcgtg gaactgggct ttatgagctc tggaaaactg 360
gcaggtatat atcanatgtt ttcttattat tggactgctt tttcctcaaa catctcaa 418

<210> 7434
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7434

atcatatctt ccgnaatact tatcacctct atcatatcta ataattttca catttatgtc 60
taattgtcat ttactttcat tgtagtaaat ttctaaggaa tccatttcct aagaaatctc 120
gggcaataaa tagacataac cgtaacgtga ataatcatca ataatggtga taaagtatca 180
ttcctttttg aaagaactaa caccaaaaagg tccacaaata tcagtatgca caatttcaag 240
aagttgagtg cttctttagtag ctcttttctt tgtatgtttt gcttgggttt cccttaatac 300
aaccacaca aatattttaga tccgtaaaat ctagataagg aagaatttca ttctttatta 360
atctttccat cctttctct 379

<210> 7435
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7435

aacaaaataa agggactgag ttgaatattt aaaatataca catcaaaatc aatcaataat 60
gaagttacca tgtaataatt tataaatgat ccccttttct gtataaacct tgcaactgaa 120
aatgccaagt cttcagcagg tcgatgagga acaggacctc caaactctgt aaacctgcaa 180
gcataaaaga ggaatagagg caatgaataa tcacttgata tctctagctt gaatgattct 240
tattcttatg gaaaccaaag aaataagaaa caaggcatca ataccagcca gtccaagctt 300
ctgtccacat ctttggttg taagccttat ttggagagaa ataatcacia tagaagccat 360
tgcaagtgtt aatctgtgaa acattntatt acatttgaaa ttagaagtng aatactt 417

<210> 7436
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7436

cgctgcagct atatattact gngattctat tancttagtc aattgntcct tggatatagc 60
gaagaattca ttttgcagcc ttgagatgag tagtggttg agtttccatg tatcgactga 120
tgagtccagt agcatataga atgtctagtc ttgtgcacat caaatatcac aaactatgta 180
ccaaactctt gaaatttgta gcatccacct tttttgcttc gtcgaacttt gataacttca 240
tttagcactc cacttggtga ccaactggct tggagctatc catcttgaat tttttgagca 300
tctcctttgc atatttttgt tgtgaaatga agatttcac tttcttctgc tttacctcaa 360
tgtcgacata gtatgacatt agtctaatag tggatcatct gaactctttg atca 414

<210> 7437
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7437

tgtccacan acctctctaa catctggtcc atgttgggtt tattataatg gtcttttctt 60
gtggctttgt tggccttgcg gtagtcgatg tacattcttc agccaatgaa aatccttggt 120
gggattaggt cattcttttc aatccgaatg actgccatgc cccctttctt tggtagcacc 180

tggactaggc ttacccaaac actgttggaa atggggtaga taagcccagc ctctagaagc 240
 ttgagcacct ctttcgcac ctcttccttc attgatgggt tgatccttct ctggggttgt 300
 cttactggtc tatagtcttc ttccatgatt atcttgtgca tacagtaagc agggttgatt 360
 ccttttagaa ttgatatgtg ccaccctatt tgcctcttgt gtct 404

<210> 7438
 <211> 441
 <212> DNA
 <213> Glycine max

<400> 7438

cccatgtgaa ttgcttacat agatctgtta tatccacta attgttctcc ttttgaagtt 60
 gtttatgggt ttaaccact aactcctctt gatcttttgc ctatgcctaa tgtttctgtt 120
 ttttaagcata aagaaggta agcaaaggcg gactatgtga agaagcttca tgagagagtc 180
 aaagatcaaa ttgagaggaa aaataaaagc tatgctaaac aagccaacaa agggagaaag 240
 aaggctgtct tcgaaccgg agattgggtt tgggtgcacc tgagaaaaga aaggtttccg 300
 gaacaaagga aatcaaagct tcaaccaagg ggagatggac catttcaagt gcttgaaaga 360
 atcaatgaca atgcttacaa agttgagctg cccggtgagt ataatgtag ttccaccttc 420
 aatgtctctg aattatctct t 441

<210> 7439
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7439

cccgaactgcg ataaggttta gacacatggt tggttttttt ctacctcctt caacatgagc 60
 ttatgcctta tggttggtcat aaaagtgatg tcaccaatgc ctactagttt tcttgtgaca 120
 caatttccca tttttaccgt accaaagtca cccattttga taggttgaga aaaatcctcc 180
 atgtgggcta acgtggaaag atgcaccgga gtcaacaatc catgaacaat catcacatgc 240
 atcattaaga tagttgtctt ctccaatgag gaatacatca tcacttagat ctgctgcaat 300
 gaccatagtg ctcttatacct cctttntctt agaatcaatt tggctctggct taacaatgcc 360

<210> 7440
 <211> 404
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7440

agcttgacgt taatctcatt ttgtttttta tgaccttgng agaggtttac caaggatgtc 60
 atacaaagat gaaacaaatt aaaacctctt tttcaagcaa aaactttgtt tcctcaagac 120
 cacttgaact attacatatt gatctgtttg gctacaatga atgactacat tagatggaca 180
 tgggtaatgt tccttgctca taagaatgag tcctttgagg tattctttaa attttataaa 240
 agagcttaaa atgaaaaaaaa agtatgcgtt acttcaatta gaagtgatca tgggtggagag 300
 tttgaaaatg agaactttcg tctattctat gaagaaaatg gaacttttca taatttcttc 360
 atgtcatacc ctaatttcat tcggggacga atgtttgtca acat 404

<210> 7441
 <211> 420
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7441

cgacaataac tntctactcg gatgtttatt ttgttccga atatatcgaa aagctcgaaa 60
 ttgaatgttg aagctctaag caaattcaaa cgacaaaaac tttntactcg gatgtctgat 120
 tgagtcccg aatatatcga aaagctcgaa tgtgaatgta gaagctctga gcatattcaa 180
 acgacaataa ctttttactc ggatgtctga ttgagtcccg taatatatcg agatgctcga 240
 aatggaatac cgaagctcgg agcaaattca aacaataata actttttact cggatgtccg 300
 attgagtccc gtaatatatc ggaacgctcg aaattgaatg ttgaagctct gagcaaattc 360
 aaacgacaat aacattttac tcggatgtct gattgagtcc cgtaatatat ctagacgctc 420

<210> 7442
 <211> 220
 <212> DNA
 <213> Glycine max

<400> 7442

tttgtactca atcagacatc cgagtcaaaa gttattgtag tttgaatctg ctcagggcct 60
ccgtattcca tttcgagcgt ctcgatatat tacgggactc catcggacat ccgagacaaa 120
agttcttgtc gtttgaaatt tctccgaact ctcagaattc catctcgagc gcctcgatat 180
attacgggac tcaatcacac attccaataa aaagttattg 220

<210> 7443

<211> 353

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7443

actcagcttt tatccaggct catcttggtg gtgaagctcc ttcttctatg gcttattccc 60
tagaggatgg cgctcctct cacctcttct cctttgtctt ccgctgcatt tccatggcgg 120
aaaatcatca ttaaaggacc tcattgaagc tcaaagatcc agccttcata gaagccccac 180
aagcaagctt ccactactgc tgttgctgtt gctgagggtt ggaccatctg aggatagggt 240
gattcttcta tccacggttg tatctgttgc tggagaggtc ataattgttc tgctgtggtt 300
gattntgctt ctgaggttga ggaggtctat tgtaaattatt tgcagcataa gct 353

<210> 7444

<211> 416

<212> DNA

<213> Glycine max

<400> 7444

agcttctcga tatattacga gactcaatcg ttcatttgat gaaaaagtta ttgtcatttg 60
aatttggtcg aagcttctat tttcaatttc aagcatcatg atatatgacg ggactcaatc 120
ggacatccga gtaaaaacta attgtcggtt gaatttcctc agagtttcta ttttcaattt 180
tgtgagtctc gatatactac acgattcaat cggactttcc agtaaaaatg tattatcggt 240
tgaattttct cagagcttct attttcaatt tcgagcacct agaattatta agggactcaa 300
ttggacatcc gagtcaaaag ttattgtcct ttgaatttcc tcagagcttc tattttcaat 360
tctgagcgtc tcgaattatt aaaggactca atccgacatc tgtgtcaaaa gttaat 416

<210> 7445
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7445

agcttgtcaa aaagggatgt ctgttttaaat ctctnttcaa agtaaaaacg ttgtttctac 60
 ttcaaaaccc tttgaactac ttcacataga cttatttggt gcctctagaa ctatgagttt 120
 ggggtggaat tactatggct tagttatagt agatgattac tcaagattca catggacttt 180
 gtttttgaaa accaaagatg aagcttttga tgggttttgc aaacttgcca aggtcattca 240
 aaatgaaaaa aggtcttaac attgtttcac ttagaagtta tcatggagggt gaatttcaaa 300
 atgagtctct tgaaatgttt tgtgaagaaa atggaattca ccacaacttt tctaccctaa 360
 gaacacctca acagaatggt gtcattggaga ggaaaaatag atcccttgaa g 411

<210> 7446
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7446

tganatggaa caacggaagc tctcaagaaa ttcttatggc ttatatcttt tcaactcggat 60
 gtccaattca tgcgcacac atatcgagat gctcgacata gaacaacgga agctctcgag 120
 atattccaat ggtcataact tttcactcgg atgtccaatt caggcgcac acatatcgag 180
 atgctcgaaa ttcaacaacg gaagctctcg agacattcaa atggtcataa cttttcacac 240
 ggaggtgcga ttcaagcgca caatatatcg agacgctcca aattgaacaa cagaagctct 300
 caagatatcc gaatggctgt aactattcac tcggatgtcc gattcangcg catcacatat 360
 cgagacgctc gtaattaaca ctgggagctc tcgacatatt c 401

<210> 7447
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 7447

agcttctatt ttcaatttct agcgtctctt atattatgcg cctgaatcgg acctctgtgt 60

gaaaagttat gaccatttga atatctcgag agcttccact gttcaatttc gagtgtctcg 120
 atatgtgatg ctctgaatc ggacatccaa gtgcaaagtt atgacctttt taatttctcg 180
 agagcttccg ttgttcaatt tcaagcatct cgatatatta atcgctgaa ttggacatcc 240
 gactgaaaag ttatgacat ttgaaatttt ggagagcttc cgttgttcaa tttcgagcgt 300
 ctcgatatgt gaagcgctg aattgacctc cgtggaaacg tttgaccatt gaattctcga 360
 gggcttccgt tgtcaattac aacgtctc 388

<210> 7448
 <211> 555
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7448

tgcttctaca agattcagat tcaatgcata aggagtgata agtatgcaga tctgataaaa 60
 atggatgggt cctaccatga agaacaaaat caaaatcaaa catataatca tcaacaatct 120
 gatcaattat ctcaacacga aaaatagaat gatcctcaga tggatgtttc atggcatcaa 180
 gaatgttaaa atgaacaaca atatcaccaa attccataga caatgtgcca gcataaacat 240
 ctatcttggg tggggctgtt ctcataaatg gcctgcctaa aataattgga actgaaccat 300
 gggaaaatcc ctcttccata ttaagaacat aattaatcaa caggaaaaat aagctcacca 360
 acccgaacca gcacatctc tatgaaacct tcggggtaag caacacttct atttgccaaa 420
 tggatcacia catctgtaga ttgcaaaggt ccaagagata aagaattgaa aatggacaaa 480
 ggcagacac taactgatgc tcttagatct agcatggtat tctcaaanta ctgttcccaa 540
 taatgcaagg tatac 555

<210> 7449
 <211> 487
 <212> DNA
 <213> Glycine max

<400> 7449

ttcagccatt tcaaacgatc ataacttttt actcggatat catattgagt cccgtgatat 60
 aacgagacgc tcgaaattga atattgaagc tctgaactaa ttcaaatgac aataactttt 120

tactcggatg tctgattgag gcccgtaata tatcgagacg ctcgaaattg aatgttgaag 180
 ctgtgagcca atttaaacga caataactgt ttactcggat gtctgattaa gtcccgtcac 240
 atatcgagac gctcgaaatt gattgttgaa cctctgagcg aattcaaacc acaataactt 300
 ttactcggga tgtgtgattg aggcccgtaa tatatcgaga cgctcgaaat tgaatgggta 360
 agcttttagc caattcacac gacaataact atttactcgg atgtctgatt gagtcccgta 420
 atataacgag acgctcgaaa atgaatgttg aagctctgaa ccatttcaac gaccataact 480
 ttttcct 487

<210> 7450
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 7450

agcttcaaca ttcaatttcg agcgtctcga tatgttacgg gactcaatca gacatccgag 60
 aaaaaagtta ttgtcgtttg aattagctaa gaggatcaac attcaatttt gagcgtctca 120
 atatgttacg ggactcaatc agacatccga gaaaaaagtt attgtcgttt gaattagctc 180
 agaagttcaa cattcaattt cgagcgtctc gatatgttac gggactcaat cagacatccg 240
 attaaaaagt cattgtcggt tgaattggct cagagcttca acattcaatt tcgagcgtct 300
 cgatatatta cgggactcaa tcagacatcc gagtaaaaag ttattgtcgt ttgaatttgc 360
 tcaaaggttc aacattcaat ttcgagc 387

<210> 7451
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 7451

atgctgccta catctacaac acagcttcta taccttcgct ggcaaatcag ccacgacaga 60
 atgattatct acctcttcgg cgatatgtac ggtcccagat ggacgaatca tgcctacctt 120
 atatggtcac atccttcacc ataacagcag caccaacaac aaccttattt tcgaaaagta 180
 gctggcccac gcagaccata cgcttcctaca acaatccagc aacggcaata acaatatccc 240
 cacaacaac acacagttca ggctcctccg caagcttacc ttgaagaact tgtgaaggtc 300

ctctgtaaac ctcacaatct ctcaaaatct catccaaagc taacaaaaat agattgctat 360
gcgagctcaa ctata 375

<210> 7452
<211> 531
<212> DNA
<213> Glycine max

<400> 7452

tgccatctta tcaaagcaac attcttaatc tatatgcaac agcgagaaaa gaaagcacia 60
agaggaaatt cacaaaacca aatgagataa acatcaatcc acatttggtt tctggagaat 120
ataagagaaa acacccgctt cactcaggca gagggaaaacc tctcaaaggc gcataattct 180
catgcaggca attgtttcat cacaattcca ataagtata tgtcataaat caatttttgc 240
aagtcattta ccatcaaatc aaagataaat tgcataatca tcatggatca ttagggcttt 300
tacgatttgg actaactttg aaagacatat tggtttttct ggatattcaa aaacaccttg 360
agaataggaa agcaacataa aaacaaactg acaatttaaa ataaatcatt gcttcctatc 420
ccttcccatt ttaaccaaat tatgactact tactatacca aaatcttcac ttataataat 480
taccaacatc tgtatacagt ttataacaat gcagacattt atctacttcc a 531

<210> 7453
<211> 616
<212> DNA
<213> Glycine max

<400> 7453

taaacacaat tatgcaacaa aaaatagaag tttccataag atataataaa tttaaaatgt 60
gcttttctaag ttgataccta acatcataat aacataagct gattgcaatt tcaaagttct 120
ttatactctt agaaaaaagg tccatacact cttaatttct ccttttcttt caaatctcat 180
gattaagaga acacattctc aaatcaagaa aacaaaatca tatgattgaa ttgaatactt 240
atcttctaat gatgtttctc tgttcacaaa taaaacaaaa tggttgaact tagttacgta 300
ataatcatat catgaaatag cagaaaaagg tcagccatca taaattgaat taatcatttt 360
tacaccctaa gtagtaatca taacaatcat gtctaataga gctgctaaat atttagctca 420
cctctctgcc atctatggaa ttcagtagtt gaacttagat actcgtccta ttaatggctc 480

caaagatagt cttctatctt tataaatcaa taggaagtac gaagacaaaa aatcaataga 540
 aaatagcata ggtacagact atccatgata ataaaaatac actctctaga gaacaaaaaac 600
 aagaataaca gaattt 616

<210> 7454
 <211> 513
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7454

agcttcaaaa ttgcaacaaa ggagttgttc ttgtaaaaaa tattcgtctt caaactctta 60
 gaggtgactt tgagcgtttg tttatggagg agtccgagtc aatttctgat tatttttctc 120
 gagtattggc cgtagtcaat caacttaaaa gaaatggtga agatgttgat gaggtgaagg 180
 tcatggaaaa aatacttcga actttaaatc caagttttga cttcattgtt accaacattg 240
 aagaaaacaa ggatttaaag accatgacaa ttgagcaact catgggttcc ttactagcat 300
 acgaagaaaa acaaaagaga aaaattaaac aaaaggaggc tacggagcaa ctactacaac 360
 tcaacgtaaa ggaagcaaac tatgcatatt acaagagcca aagaggacga agtcncggcc 420
 aagatcgtgg acgttgacga tgacatggat gagaacgaag aggtggttac aacaaccact 480
 ccaacaaatt cacaatggag aaagaatttg aat 513

<210> 7455
 <211> 457
 <212> DNA
 <213> Glycine max
 <400> 7455

atactcagct tgtgcatcca ataccctgat gaggatgtcc catatgttct taaagcagga 60
 ctgatacatt tgcttccaaa gtttcatggc cttgcaggtg aagacccgca caaacatctg 120
 aaagaattcc ctattgtcta ctccaccatg aaatccccag atgttcagga ggatcacata 180
 tttctgaagg cttttcctca ttctttataa ggagtgcgaa aggactggct atattacctt 240
 actccaaggt ctatcacgag ctgggatgac ctcaagagag tattcttaga taaaattttc 300
 cttgcttcta tgaccacgac cattataaag gatatttcag gcattatgca actcattgga 360
 gagagcctat atgaaatatt gggagagatt taaaaaacta tgtgccacga gccctcacta 420

cccgatttc tgaacagctt ctccttccat attttta

457

<210> 7456
<211> 506
<212> DNA
<213> Glycine max

<400> 7456

tctatagaag ggtcggtcct aatttctcta caattgcac acctctcaat gagctagtga 60
agaagaatgt ggcatttacc tgggggtgaaa agcaagagca agcctttgct ttgctcaaag 120
aaaagcttac taaggcacct gttctagctc ttctgactt ttctaaaact tttgagctag 180
actgtgatgc ctctggagtg ggagttggag ctgttttgtt gcaagggtggg caccctattg 240
cttattttat tgaaaaactt catggtgcga cccttaacta cccacctat gataaagagc 300
tttatgcctt aataagagca ctccgaactt gggaacatta ccttgtttcc acggaatttg 360
tcattcatag tgatcatcaa tcacttaaag tcattagagg gcaaagcaag ttaaacaaaa 420
ggcatgcaaa atgggtagaa gacctaaagc aatttccata tgttatcaca tacaaaaagg 480
gtaaaacaaa tgtggtagct gatgcc 506

<210> 7457
<211> 372
<212> DNA
<213> Glycine max

<400> 7457

agcttttgtt tggaataata acctatctcc tcgggattgg gacaccgaaa tgggaaaatc 60
ctttgccaat gctattcatg gtgtggaaaa agaggagttt gctacttata tggccctcgc 120
atagcacttc acggtcttgc atcggcgagt aaaacttacg ctatttgagc tgccgttcac 180
agcaccatta gatttctact ggcaacactg aaagacgatg gtgggcgggg agaaagctat 240
ctttcatgcc caagaacaag ttagacattg aatgctcaac ggaaacagga tactctccgg 300
cctatcaaac tgcattcaat acgcgagaac gtatgacttt cacctcttat gatgcggatg 360
acttttagcac at 372

<210> 7458
<211> 531

<212> DNA
<213> Glycine max

<400> 7458

agcttttttg caaaggaaga acaagaagag agatgagtag aaaggaattc ttagaagttc 60
'taaaaaattg ttaaagagtt gtaaaagttc tattgaatgc aagtcaaggt cttacataaa 120
ctcttcatgt cgggtcaaga aaagcattgg aagagttata accttgagaa aatcaagtca 180
agagttacaa cttttgactt tttattcaaa agttatcact ggtaatcgat taccataatc 240
atgtaatcga ttacacaatg cattttatga aaagttgtga ctcttcacaa tcagatttga 300
attccaacgt tcagatacac tgggtatggta atcgattaca ttatttgaaa aatatttttg 360
aacgttgcaa atcagttaaa aacattttga aatcaaatat gggcacaggt aatcgattac 420
atgaaactgg taatcgatta ccaaagagta attactctgg taacttgaaa attttagaaa 480
actcttttga aaacaaaatg tgcttgtttg gatttttttg aaaaaaactt c 531

<210> 7459
<211> 451
<212> DNA
<213> Glycine max

<400> 7459

tcagaattca atttcgagcg tctcgatgta ttacgagact caatcagaca tccgagtaaa 60
aagttattgt cggttgaatt agctgagagc ttcaacattc aatttcgagc gtctcgatgt 120
attacgggac ttaatcagac atccgagtaa aaagttattg tcgtttgaat ttgctgagag 180
cttcaacatt caatttcgag cgtgtcgatg tattacggga ctcaatcaga catccgagaa 240
aatagttatt gtcggttgaa tttgctctga gtttcagaat tcaatttcga acatctcgat 300
atattaccgg actcaatcag acatttgagt agaaaagtta tggtcgttcg aattagctga 360
gaggtgcaac atccaatttc gagcgtctcc atgtgttccg ggactcaatc agacatccga 420
gtaaaaagtt attgtcgttt gaattagcct c 451

<210> 7460
<211> 327
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 7460

agctntgagc taattttaaac gacaataatg ttttgctcgg atggctgatt gaaacccgga 60
atacattgaa gacgctccaa attggatggg gaaactctca agcaattcaa accaccaata 120
cctttttact ccggatgtct gattgggtcc ccgcaatata tcgagacgct cgaaattgaa 180
tgttgaagct ctcagcaaat tccaacgaca ataacttttt tactcagatg tctgattgag 240
tcccgcaata tatcgagata atcgaaattg aattttgaag ctctaagcta attcaaacga 300
caataacttt ttgctcggat gtctgat 327

<210> 7461

<211> 403

<212> DNA

<213> Glycine max

<400> 7461

agctttgagc aaattcaaac gacgataact ctttactcgg atgtctgatt gagtcctgta 60
atatatcgag acgctcgaaa tggaataccg aagctctgag caaatttaaa cgacaataac 120
ctttttactc ggatgtcaga tcgagtcctg gaatatatca agatgctaga aattgaatgg 180
gaacactctg atcaaattcg aacaacaata actttttaact cggatggccg atcgagtctc 240
ggatatatc cagacgctcg aaatggaata tctaagctct gagcaaattc aaacactaat 300
aactttttac tcggatgtcc gatagagtcc cgtaatatat ctgaacgctt gaaattgaat 360
gctgaaagct tgagcagatt caaaccacaa taaattttta ctc 403

<210> 7462

<211> 479

<212> DNA

<213> Glycine max

<400> 7462

tgcacgtag aatgacgggt gattttgtag ctccaacatt tgtgaatggg aaagctaaaa 60
ttacgattga tgaatctgat gtatctgggg aacttgaatt ttgggaaaat tctattattc 120
tctttgcact aggtgagtct ctttctatga atgctgtgaa gaagtttatg gagaagacct 180
ggaatttcac ttcagaacca gaattatctt acaatgatga tggttacttt attgtgaaat 240
gcaagaatag ggaagacatg gagctgggta tggaacaagg tccctatttc atttacggta 300

aatcattatt cctccgcaag tggacatctg attttgagat gaaggaagat ctattgcgag 360
 ttcttccaat ctggataact ctacctcaat ttcctctgca tctgtgggga gaaaggagta 420
 tttcgaaaat tgctagtatg gttggtaaac ctataacaac agatgaatgt tctgcgaag 479

<210> 7463
 <211> 495
 <212> DNA
 <213> Glycine max
 <400> 7463

agcttcctta agaagattcc taaagaagct agagcttatt tacacacacc tctctaatag 60
 ctaagctcac ctcttgaga tgagaagcta gagcttagct acacaccccc tataatagct 120
 aagttcacc ccatgacaaa atacatgaaa atacaaaaaa ttccctacta caaagactac 180
 tcaaaatgcc ttgaaatata aggctaaaac cctatactac tagaatggca aaaaatacaa 240
 ggcccaaaca aaggaaaaac ctatttctaatt atttacaag ataagcggtc tcatacttag 300
 ctcatgggct cgaaatctac cctaaggctc atgagaacc tagggctctt ccttggatct 360
 ctagcccaat ctacttgag tcttctatcg aatgcccttg cggggtagga ttgcatcaac 420
 atgccttatg acacttaagc acacttagtg gagaatcttg gacttgatct ttgattagt 480
 ggctgaactt tatgt 495

<210> 7464
 <211> 481
 <212> DNA
 <213> Glycine max
 <400> 7464

ccaaaaaact cagcttgatca gatccatgct cttctctggt gttggtatgt catcaattcg 60
 ttatgaatta gatcacataa attctgtagg acaacaccat gtgacatatt gtatgacctt 120
 atgctccata agtcctctga ctcttatctt atacactaat tgttgaagta gccacaatt 180
 tggtagatat cctttcatct atatatattg atggctgcaa gaacttagga ccgaatcgtc 240
 catgtcttga gatatttgaa attcaaacac tttcatgtta tatttgctta gattttttat 300
 tatctgtctt gggtcagcgc tgcgagtcatt cttaacttgt accaaaataa aagactaacc 360
 aatttaaact aaaagatata caatatgttt agacctcgta cttatggtga aacttggttt 420

tagtctcca accttaacat ataagctctg atggaaagga gaaatactcc ccaaaatatt 480

a 481

<210> 7465

<211> 537

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7465

ttctcttttg tgcgactatc tcctcctctt tttcagatgt agaatgaagc ttgacagggt 60

caagtgtagg tgctgctatt attggaggca cttgaatttg gttgccacac ctcaagggtga 120

tggcactcat atttttcgga ttatgcacag tttgtgaagg caatttttca gaattttggg 180

actgagcttg gttcaactga gtagccatct gcccacatctg atttgtcaga ctctgaatgg 240

aggctcttgt ctcttgctga aattgcatat tttggatggt ctttttctc actaactctt 300

ctaacgaaga ttaaagagga gcctcagctg cttgttgtct ttgttgttgt tgctgctgta 360

ttggaggaag aacatatggc ttgcttggac cancatcatt ctggaaagaa aggacaagcc 420

tgtgttgttt ggaggacttg ctcatctcan attttgatga ttactccaaa ctggattgta 480

tctgttgctt gaaaggccat aatattatgc tattgttgga tttggtgttg aagggggc 537

<210> 7466

<211> 419

<212> DNA

<213> Glycine max

<400> 7466

tgtagttgag cccttttgac cctggttgaa ccttgaaatt tttgcttcat tgaatcccat 60

atatttattg tcctgtccct cttgaggatt gtttcaagga cttcacgac tttgcctgg 120

aaaaggtaat tctttacctt taagtccttc aacttctgct cctcgatcaa tttgcattgt 180

gcctccgtac gctctattcc atctgccacc atcaatatcc cattctcaat gagatcccaa 240

tattcttttg agcagaaaag attctccatc aacattgccc aatgatcata atgaccatta 300

aaccttgga ttgcaggctg cacgaaactg ctactccac cttctgcat tcttctcaac 360

tcgttctact cgaaagagag aaaaactgca gtttctttct tgaatacact cactgtttt 419

<210> 7467
 <211> 445
 <212> DNA
 <213> Glycine max

<400> 7467

agcttgcaaa atggaagcaa atatatctct ctatgggtgg cagaataacc ctcattaatt 60
 atgttttaac agccttacgc atttacttgc tgtctttttt cagaatcctt aaaaaagtgg 120
 ttcacaagat agtctccatt cagagaaact ttctttgggg aggtggcaat gaggcaacaa 180
 agatcccttg ggtcaagtgg gatacagtct gtctatztat gaataaaggg gggttaagga 240
 ttaaagactt gaacaagttt aatgaggcct tggttggcaa atggggctgg gagttggtga 300
 ataaccagaa ccagctatgg gctaaaatct tgatgtctaa gtatgggtgga tggaatgctt 360
 tattctatgg cagaaacaat acagactcct cttcttgggtg gaaggattta aaatctgttt 420
 tccaacaaca acataataat agtct 445

<210> 7468
 <211> 529
 <212> DNA
 <213> Glycine max

<400> 7468

agcttttaag ggtatttgac tatttagggt ttatgtgtac ccaacttata aaggtttagt 60
 gttacttgac caaatagggt ttatggatat ttgacaaaat aaggttgctt gactaattga 120
 gattacgggt atttgacaaa taagggttta tgggtatttc actaattagg gttatgtcta 180
 cttgatagtt aaggtttact gttcgttgac caattagggt ttatgattat tttaaaaagt 240
 tggggtttac aggtatttga caacttattg ttacgggttc acgggtattg gactaatgat 300
 ggtttatgtg tagttgagta attagaattt aatgttactt gaccaattag ggtttaagat 360
 tattcgacaa attaagggtta cttgactaat aatgatttag gggattttta caaatttgggt 420
 tttattgcta cttgacaaat taagggtcaag cggtatttga ctaattagggt ttatgggtac 480
 tttagtaatt gaggttatgg gtatttgaca aattagattt atgggttact 529

<210> 7469
 <211> 516
 <212> DNA
 <213> Glycine max

<400> 7469

tcttcacaat agtttctttc agacttcaca cggatttggt tcaaacaatga aatttatttt 60
tacctaaaag agtcatcggt tcatataaat gttccttttc ttgcttgct tatgattttg 120
ggagtttata cacctgtttg gttatatata tatattttta taacaaaaat cttctcctg 180
taattttttt tcttttttat gatgaaatgc actagcttgt tgatttggtg tgtttcattt 240
tttgggggtca ttttttggtc ttattttggt tgatgtttcc taaaacattt aaatatttct 300
ttttatttag gtttaacaaa atgtcacgtg gtattataat gctcagttta gtggcatatg 360
atatacctaa tactaagttt tgagctttgt ttctatttca tccttttgat ttatattctt 420
attcgggtgc attattaata agaatatgaa ctttcttttc agaattagga ttaacatatg 480
tggaatttaa aataaacaag tgagctaata ttactt 516

<210> 7470

<211> 402

<212> DNA

<213> Glycine max

<400> 7470

ttgagcaact tcaaacgaca ataacttttt actcggatgt ctgattgagt cccgtaatat 60
atcgagacgc tcgaacttga ataccgaagc tctgagataa ttcaaacgac aataactttt 120
tactcggatg tctgattgag acccgtaata tatccagacg ctcgaaattg aataccgaag 180
ctctgagcaa attcaaaaga caataagttt ttactcgtat attcgattga gtcccgaat 240
atatcgaaag gctcgaaatt gaatatcgaa gctctgagca aattcaaaag acaataacgt 300
tttactcgga tgtctgactg agtcccgtaa catatcgaga cgctcgaaat tgaatatcgg 360
agctctgagc aaattcaaac gacaataact tgttactcgg at 402

<210> 7471

<211> 361

<212> DNA

<213> Glycine max

<400> 7471

agcttcaaca ttcaattttg agcgttttga tatattacga tactcaatcg gacatccgag 60
taaaacgtta ttgtcgtttg aatttgctca gagcttcggc attccatttc gagcatctcg 120

atatattacg ggacttaatc agacatccaa gtaaaaagtt attgtcgttt gaatttgctc 180
 aaagcttcga taatcaattt cgagcgtctt gatataattac tagactcagt cagacatccg 240
 agtaaaatgt tattgtcggt tgaatttgct aagagcttcg ataataattt tcgaccgtct 300
 ccatatatta cgggactcag tcagacaacc gagtgaaaag ttatttgagg tttgaatttg 360
 c 361

<210> 7472
 <211> 485
 <212> DNA
 <213> Glycine max

<400> 7472

ttgaatgctc tattcaatgg agttgacaag aatatcttca tactgatcaa cacatgcaca 60
 gtggccaagg atgcatggga gatcctgaa accactcatg aaggaacctc ccaagtgaag 120
 atgtccagat tgcaactatt ggccacaaaa ttcgaaaatc tgaatatgaa agaggaagag 180
 tgtattcatg acttccacat gaacattctt gaaattgcca atgcttgac tgccttgagg 240
 gaaagaatga cagatgaaaa gctgggtgaga aagatcctca gatctttgcc taagagattt 300
 gacatgaaag tcaactgcaat agaggaggcc caagacattt gcaacatgag agtagatgaa 360
 ctcatgtgtt ccttcaaac ctttgagcta agactctctg ataggactga aaagaaaagc 420
 aagaatctgg cgttcgtgtc caatgatgaa tgagaagaag atgagtatga cctgatact 480
 gataa 485

<210> 7473
 <211> 656
 <212> DNA
 <213> Glycine max

<400> 7473

tgttgccttt ccgattttct ttatgcatgg acgacaaggt ttattactta taagtcatag 60
 cacatggctc gacttcaaag tcgtaacagt ggccacgact ttagtacttt atgtaggatg 120
 ggagtggcat tctacttcag gagtcgtggg ttatggcaca actttaaatt cgtagacattt 180
 ggccacgactt taaagtgtgt tttattatta ttttttaaaa taatatgtca tatgttaata 240
 ttattttacg gttttagtta attaaaaatt ttatatgtta taagtaaata ttttgtagg 300

gcttttagtta gataaaaatg ttatatgtta taagttaata ttatttttagg ggtttagtta 360
 tttaaaaaatt tatatgttat aagttaatat tttgttaggg ttttaattaat aaaaatatta 420
 tatgttataa ggtaatatata ttttatgatt ttactcatta aaaaaagtac tatgttttca 480
 ggtaatatatt ctgtaggggt ttaagtaatt aataatggct atgtttataag ttatattatt 540
 ttaaggcggtt acttatttta aaaggctttt gtgataaact aatattattt taggatttca 600
 ctattaatat tattattttc ccaaaatggt ttaatattat ttattttaatg aaaaac 656

<210> 7474
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 7474

agcttgcata caagattctc ctgacctggc acttcaaaac cttctggttg ggtcatatag 60
 atgtcttcct ctaaattccc atgcaagaat gcagttttta catctaacta ctccaagtga 120
 agattctctg cagctactat gctcataata actttgatgg tagtcatctt tacaactgga 180
 ttgaagatct ctgtgaaatc aattccttgt ttctgctgaa accctttcac cacaagtctc 240
 gccttgatc ttcttctacc gttagattct tccttgagcc tatatacca cctattctgg 300
 aacgctttct ttccttctgg caatttagtt aaagaccacg tcttattctt ctgaagggat 360
 gtcattctcat ctttcatcgc 380

<210> 7475
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 7475

tggcatcaat caccttgctg accaaacaaa tgatgaattt gtggcttccc ataattggata 60
 caaacacaag gcatcacatt cacaacacc attcaagttt gaaaacgta ctggtgttcc 120
 taatgcagtg gattggaggg aaaatggagc tgtcacagca gtcaaggacc aaggccaatg 180
 tggttaattaa gtaacagaat ttcttttata agtaagaatc gaaggcagga caacagggag 240
 tttacaacaa ctcacatggt ctgctcaatt aactgagcta gactccctcg gttacacag 300
 aaaattaacc ataaattaaa gtgatactat gttctgttct atatatcact gttatgatgg 360

<210> 7476
 <211> 445
 <212> DNA
 <213> Glycine max

<400> 7476

agcttaacat caatcacctt gctgaccaa caaatgagga atttgtggct ttccataatg 60
 gatacaaaaca caagggatca cattcacaaa caccattcaa gtatgaaaac gtactggtg 120
 ttccgaatgc agtggattgg agggaaaatg gagctgtcac aacagtcaag gaccaaagcc 180
 aatgtggtaa ttaaataaca aaaatttttt tatcttatga atcgaaggca cataacatgg 240
 agtttaccac tacttatgtg ttcttcttaa ccaactgagc ttgactccct cggttataca 300
 gaaaataacc ataaatgaaa gcgatccatt ttctttttca tatattactg tgatgagggg 360
 cttaaataat atttgggtaa tttgtaaatt aaccaggatc tggttgggat tttcaacagt 420
 tgccggaaca aaaaggattc tacca 445

<210> 7477
 <211> 507
 <212> DNA
 <213> Glycine max

<400> 7477

agcttagtaa agctaggcac taacaatctc cccctttggc aaattttgtc taaaacatac 60
 ttagacactt cctgagcagg tacgagcagt tatgcaagt ggatcaacaa ctttcattat 120
 cagagtaatc aagcacagcg gaaattctgc aagttgcaag tcgtttccag gatgtcaaga 180
 catctcacat gacatcagct ttctgctttt gctccccctg tctccatgct cttactccag 240
 catcttctat cagctactaa tctttttcag gatgtcaaga catctcatgt gacatcagct 300
 ttcccttgct tccatgctct tactgcagca ttttctatca gctactagta gcttacatca 360
 gtaatcatca gcagcagcag tctcccccta aaaacatgta catacaactt cccctcaaaa 420
 tcatgaataa tgcttacatc gtatcctact tctctaaatc ataggtaatg ctttatacta 480
 ctactgcgta caccaaacca tccatat 507

<210> 7478
 <211> 373
 <212> DNA
 <213> Glycine max

<400> 7478

tcaacgttca ttttcgagcg tctcgataag ttacgggact caatcagaca tccgagaaaa 60
 aagttattgt cgtttgaatt agctcaaaag ttcaacattc aatttcgagc gtctcgatat 120
 gttacgggac tcaatcagac atccgagtaa aaagtcattg tcgtttgtat tggctcagag 180
 cttcaacatt caatttcgag cgtctcgata tattacgagc ctcaatcaaa catccgagta 240
 aaaaattatg gtcgtttcta ttggctccga gtttcaacgt tcattttcga gcggctcgat 300
 aagttacggg actcaatcag acatccgaga aaaaagttat tgcgtttga attagctcat 360
 aagttcaaca ttc 373

<210> 7479
 <211> 506
 <212> DNA
 <213> Glycine max

<400> 7479

agctttcagc caattcaccc gacaataact ttttactcgg atgtctgatt gagtcccgt 60
 atataacgag acgctcgaaa ttgaatgttg aagctctgaa ctagtccaaa cgacaataac 120
 tttttactcg gatgtctgat tgagtcctcg aatatatgga tacgctcgaa attgaatgtt 180
 gaatctcaga gcccaattcaa acgacaataa ctttttactc ggatgtctga ttgagtcctg 240
 taatatatcg agacgctcga aattgattgt tgaagctctg agccatttca aacgacaata 300
 actatttact cggtatgtctg attgagtcct gtaatatatc gagacgctcg aaattgaatg 360
 ttgaagctct gagccaattc aaacgacaat aactttttac tcggatgtct gattgagtc 420
 cgtaaaatat cgagacgctc gaaattgaat gttgaacctc tgagccaatt caacgacaat 480
 aacttttact cggtatggtgt gattga 506

<210> 7480
 <211> 504
 <212> DNA
 <213> Glycine max

<400> 7480

agcttcaaca ttcaacttcg agcgtctcgt tatattatag gactcaatta gacatccgag 60
 taaaaagtta ttgtcggttg aatttgctca gagcttcaac attcaatttc gagcgtctcc 120
 atatattacg ggactcaatc agacatccga gtaaaacggtt attggtgttt gaatttgctc 180
 aaagcttcaa cattcaattt cgagcgtcta gatattattac aggactcaat caaacatccg 240
 agtaaaatgt tactgtcgtt taaatttgct tagctctcca gctttaaatt tcgagcgtct 300
 cgatatatga cgggactata tcagacatcc gagtaaaaag ttattgtcat ttgaatttgc 360
 ttagagattc aacattcatc ttcgagtgtc tcgttatatt acgggactca attatacatt 420
 cgagtaaaaa gttattgtcg tttgaatttt ctgagagctt caacaatcaa tttcgagcgt 480
 ctcgatatat tactggactc aatc 504

<210> 7481
 <211> 447
 <212> DNA
 <213> Glycine max

<400> 7481

ttgatgcaac atttgagag gttaatgaaa caacatcatt atgcgctcca tgagagggtg 60
 ggtcgaatgg agaatttaga tcataatgaa gaacaatgga ggataagagg gaatgatggc 120
 gttcctagac aaaaccgaat tgatggtatt aaactcaaca ttccttcatt taaaggaaag 180
 aatgatccgg aggcctactt ggagtgggag atgaaaatag agcatgtttt ctcatgccac 240
 aactattatg aggaccacaa tgtgaagctt gccgcccccg agttttccga ctatgctctt 300
 gtgtggtgga acaagctaca taaggagaga gcaagaaatg aatagcccat ggttgatata 360
 tggaccgaga tgaaaaagat catgaggaag cggtatgtgc ccgcttgta ctcaaaggac 420
 atgagatttc aacctccaaa aactaac 447

<210> 7482
 <211> 603
 <212> DNA
 <213> Glycine max

<400> 7482

ctcaagcttg ttgatctctt caggatgatc aacacaatat tgcatttgcg gcttcaattt 60
 tgggctgcag atttcataag caatgcattt agtatgttta cttggtaggt ttaaattttc 120

aataaaagta attaatTTTT ttagaatata attttttatg caaggTcaat gtgagTtctt 180
 gttacacaaa tgtaattcat ttattacca tattacccaa ttcattaata tgatgcagt 240
 aatttgcatt aaaaaaatat acttGtaatt atatataata tagaagTTTT agcatttagc 300
 agctcactct ttaacacatt ttatataag aaattttatt atacgttaaa atttattaac 360
 aaatataata gaaaaaagac tcacttaaatt tatgatcttt tattaatttt aaacaatctt 420
 acctaattgca ttcaaaagat tgatttagaa aggatctttg ttaatatttt tataattatg 480
 aaggaagtta ttaaaactatt atgattgaac tgaatataat aattaaatga cagtcattta 540
 aaactaaaag ttatatacgtt actatttata caatatatat gttagtgaag ataaatggga 600
 tac 603

<210> 7483
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 7483

agcttagagc tctagaaaga ttatttatgg aaatccgaca aactacttta caaagattca 60
 gtttcactaa tcctttaag aattctatat attaaggga ttaTTTTta aaaatctcaa 120
 cctaacc aaataatcatt atttaatttt aaattattgc ttaacagtgc ccactaatta 180
 ttatgggtat ttgatctaaa tatttaacta atttataggg attttaattt cgactctatt 240
 aataatgaaa aacattgttc gatcgggaac tcatggagta cttacaccag ttcattgagct 300
 aatgattatg ataagtttag agaactatac aacaaatcca ctaaggtaaa ttttcattat 360
 catcatttat agagagagag acaattttga cctataattt tctatcccc acaattgcta 420
 ata 423

<210> 7484
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 7484

taagcttgta gaactaccac aaggaaagaa agtaatgggt gttataaac tatatggatg 60
 aggcaggtaa ggttgtcata aacaatacaa gattgggtgc caagggttac tcacaacaaa 120

aaggtgtaga ctatacaaaa acctttgctc ttgttgcttg tctagaggca atatacattt 180
tactcttatt tgcattgtcat acaaaaatga gactatatca aatggacgta aaaaatgcat 240
tcctcaatgg agtaatatata gaagaagtct atgtagaaca acccactggg ttgaaagta 300
acacttttcc acacatgtgt ttcaactcta taaaacattg tgtggactta acaaagc 357

<210> 7485
<211> 434
<212> DNA
<213> Glycine max

<400> 7485

agcttctaaa ctttgtacaa gaatgaagct cttataccac ttgttagaca agtggcctca 60
gatatcttaa gaaggggggg ggttgaatta acatagtcca aactgtttcc cctaattaaa 120
aaaatctatt tcacttttta ctcaagttat gaattccctt aatgacaatc ttcttaaata 180
ttaattcaaa tgaagcaact tgaatatgaa tataaagcaa taataaataa aggagattaa 240
gggaagagaa aatgcaaact cagttttata ctggttcggc cacacccttg tgcctacgtc 300
cagtcccaa acaaccgct tgagagttcc actatcttgt aaattccttt tacaagttct 360
aaacacacaa ggacaatcct tcctttgtgt ttagagatcc ttaccacaa gagactcaca 420
gactcttaat ccct 434

<210> 7486
<211> 440
<212> DNA
<213> Glycine max

<400> 7486

ttgtccgcaa aaatcactaa aaaccgtttt aaggtcctac tccttgaatg gtactctttg 60
attttatcgg ataacatgga ccgttcaaaa gcataaaatc aacatgtaac tttattgctt 120
tagctagaac tacgtaggtc taatttcttc atcgtaattg aggatacgtg ggagcaaaaag 180
tcctgctttt gttgaccacc ccaagagatc gttaatggtc caacgcctta atgtttctct 240
cctttcaaaa acaagagatc gttaatgctc caacgcctta acgtttctct tctttcaaaa 300
tcaaaagatc gttaaatggc ccaacgcttt aaatgacctt tgttcgggta aaattgatct 360
ttgcagaaaa agatcaaaac aacttatcca acgttttagtt ctaaaagaac tacgtaagtc 420

tgatttcctc atcgcaattg

440

<210> 7487
<211> 420
<212> DNA
<213> Glycine max

<400> 7487

ttgagaaaat tcaaacgaca gtaacttttt actcggttgt ttgactgagt cccgaaatat 60
atcgagacgc tcgaaattga ataccgaaac gctgatcaaa ttctaacgac aaaaactttt 120
tactcggatg tctgagttag tcccgtaata tatcgaaaag ctcgaaagtg aatgtagaag 180
ctctgagcga attcaaacga caagtaactt ttactcggga tgtctgaatg agtcccggaa 240
tatatcgaga cgctcgtaat ggaataccga agcttggagc aaattcaaac cacaataact 300
ttttactggg atgtccgatt gagtcctcct atatatacga acgctcgaga tggaatgttg 360
aagctctgag caaattcaaa ccgacaatga ctttttactc ggatggccga atgagtcccc 420

<210> 7488
<211> 322
<212> DNA
<213> Glycine max

<400> 7488

agcttctaca ttcaatttcg agcttttcta tatattacgg gactcaatcg gacatccgag 60
taaaaagata ttgtggtttg aatatgctca gggcttcggt attccatttc gagcgtctcg 120
atatattacg ggactcaatc ggacatcaga gtaaaaagtt attgttgttt gaatatgctc 180
ataacttcgg tattccattt cgagcatctc gatatactac gggactcaat cagacatcgg 240
agtaaaaagt tattgcagtt tcaatttgct cagggcttca gtatttcatt tcgagcgtct 300
cgatgtatta cgggactcaa tc 322

<210> 7489
<211> 527
<212> DNA
<213> Glycine max

<400> 7489

agcttgtaaa aaatgcaaaa ctttaatatc tattaactca aatgtccgat tgagtcctgt 60

attatattcga gacactcaaa attgaaaaca gaggtctctga ggaaattcaa acaacaataa 120
 ctttttacttt ggatgtcaga ttgaagcaat taataattcg agacgctcga aattgaatac 180
 agaagcgctc atcaaattcca aacaacaata aattttgact cggatgtcca atttactccc 240
 ataatagttc aagatctcaa aattgaaaac agaagctctc aaaaaattca aacgataata 300
 actttttact tgaaagtccg attgagtctt acagtatatt gagacgcacg aaatttgaaa 360
 acagatgctt tgtgcaaaat taaacgacaa taacttttta cttggatgtc cgaatgattt 420
 ccgtatttta tcaacacgct caaaattgaa taacagaacc tctgagcaaa tttagacaac 480
 aataactttt gactccaatg tgccatttga gtcctttaat aatttta 527

<210> 7490
 <211> 444
 <212> DNA
 <213> Glycine max

<400> 7490

tgaaattgaa taacggatgc tccctagaaa ttcaaattgt cataactttt cactcgaatg 60
 ccagatttag gaacaaaata tatagagacg ctcgaaattg aacaacagat gctctctaga 120
 aatttaaattg gtaaaaaattt ttactctgga tgttagattc aggcacataa tatatcgaga 180
 cgtttgaaat tgaacactaa agctctgggc caattcaaac ggccataact ttaacatgg 240
 gtgtatgatt gaggcccatg atgtatcgag atgatagaaa ttgaataacg gatgctctca 300
 tgaaattcaa atggtcacaa gttttcactc gtatgttaga ttcaggaaca aaatatatag 360
 agacactcga aattgaacac ggaagctctg gtccaaatca tatggcctaa acttttgaca 420
 tgcttgaccg attgaggccc atga 444

<210> 7491
 <211> 352
 <212> DNA
 <213> Glycine max

<400> 7491

agcttcatga gagagtcaaa gatcaaattg agaggaaaaa taaaaactat gctaaacaag 60
 ccaacaaagg gagaaagaag gttgtcttcg aaccgggaga ttgggttttg gtgcacatga 120
 gaaaagaaag gtttccgga caaaggaaat caaagcttca accaagggga gatggaccat 180

ttcaagtgct tgaaagaatc aatgacaatg cttacaaagt tgagctgccc ggtgagtata 240
 atgttagttc caccttcaat gtctctgatt tacctctttt tgatgcagat ggagaattcg 300
 atttgaggac aaatccttct cttgagggag agaatgatga ggacttgacc aa 352

<210> 7492
 <211> 353
 <212> DNA
 <213> Glycine max

<400> 7492

tgtaacatta tttgtggagt ttaatgacat acatactgtt tattaacttg aaataaccac 60
 'tatattttat ggctcttgat tgcgatgaat gataatataa ataagttgag tctttgttta 120
 ccaatgggtt acaaagttgg tgcaccccag catcattgta gcaaacatgg gccttggtcaa 180
 gctgccacat ccaattacta gtatcatcaa caggaggagt aaccactcgc tttgaccggg 240
 aattatgtcc aacatgaagg aggctaagtt ctatagccac atgcttgaga gtgccacgag 300
 gtgtctataa aaagacggag cgtgtggcat atgactatct accatctaag gca 353

<210> 7493
 <211> 544
 <212> DNA
 <213> Glycine max

<400> 7493

tcatgcagat aagattttat tgcatttagc cacaaatttt attataaata gcaacagttc 60
 tctgatgcaa tatacatgat tatttaactt ggtctaataa taaattgtat taattatgtc 120
 tctaaagtat gaaaataaag ctcatcagat agccaatcca cagctccaca caagttcatg 180
 'acaacccttt caaagcttca acttgatagc agtttgaaca tccttatcac ctcgccact 240
 gaagttaacc acaaccttgg ctccattagg aagggttggg cacactttct ctagatatgc 300
 caatgcatga gatgattcca gagctggaat tatgccttca agtcgtgaaa ctctcttaaa 360
 agctacacat acaaaaaatc caaaaaataag atacacgggc aatatctgat accatagaaa 420
 catttacttc ttaccacaaa gaagaggata atataaccat tttctttaaa tgcaatatga 480
 tggaaaatgg caagatgtgg tggatacaat ggaattatgt gttagcactt ttttactacc 540
 ccat 544

<210> 7494
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 7494

agcttataag tgaagccttg ggagaggatt tgtccaaacc ctccaacacc agtacttgta 60
 gtaataaagc tgacactact actactaagg caaggataag atgcagcatc gaccaaagct 120
 ttctgaaaaa caaatctgta aagggtacca cggaacttct tgaacagcat gtgtggaggc 180
 cccagagagg gttgccacaa cgtgcaatgg caattcttaa agcctgggta tttgagcatt 240
 tgcttcatcc gtatgtatgc ctctatctat gtctcttatt aataaatgct tagctccgcg 300
 actctctttt ctgcattcta aaaagacatt tggattgaat tgtggccttt ttttgcgtgt 360
 gatgaatatt tttttagtta ccctacagac actgataaac acatgct 407

<210> 7495
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 7495

ttgaaggctg atttcatttg cgaagtgaat tacaccaatt ggtagccaa tgtgggtcatg 60
 gtaaagaaag caactggaaa atggaagatg tgcattggatt acaccaacct caacaaagtg 120
 tgtcccaatg atgcctaccc tttgcttagc attgacagac tatttgatgg ggcattgtgg 180
 ttcagggtgc tcaactttttt agatgcctac tcaggctata ttcaaatcaa gatgtatcta 240
 cccaaccaag aaaagacaac atttgtcatt gatagggcta attttttcta taaggtaatg 300
 actttttgat gcaatcctcc ctatgaaggg actagtcacc agagccatga gcaagaggct 360
 ccaaaaggat tgagctagag ttgctgaaga agttcctagg gttctcatca atctca 416

<210> 7496
 <211> 610
 <212> DNA
 <213> Glycine max

<400> 7496

tgaaggcaaa ctggatgcat tgggttaactt ggtaacccat ctggccttga atcacaaatc 60

tgtaccattc gcaaggggtt gtgggttgag ctctctact gaccaccata cagaccttg 120
 cccttccatg cagcaacctg aagcaattga gcagcctgaa gcttatgctg taaatattta 180
 caatagacct cctcaacctc aacagcaaaa tcaaccacag cagaacaatt atgacctctc 240
 cagcaacaga tataaccctg gatggaggaa tcacctaac ctcatatggt ccagccctca 300
 gcaacaacaa cagcaacctg ctcttctggt ccaaaatgct gctggcccaa gcagaccata 360
 cattctcca ccaatccaac aacagcaaca acctagaaa caaccaacag ttgaggcccc 420
 tccacaacct tccctcgaat aattgtgag gcaaatgact atacagaaca tgcagggttca 480
 gcaagagacc acagcctcca ttcagagctt aaccaattaa atgggacaat tggtaccca 540
 attgaatcaa caacaagtc agaaatatga caagctgcct tctaagttgt tcaaaattcc 600
 aaaaatgtca 610

<210> 7497
 <211> 517
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7497

tgaaattgaa taacggatgc tccctagaaa ttcaaattgt cataactttt cactcgaatg 60
 ccagatttag gaacaaaata tatagagacg ctcgaaattg aacaacagat gctctctaga 120
 aatttaaatg gtaaaaattt ttcactcgga tgtagattc aggcacataa tatatcgaga 180
 cgtttgaaat tgaacactaa agctctggtc caattcaaac ggccataact ttaacatgg 240
 gtgtatgatt gaggcccatg atgtatcgag atgatagaaa ttgaataacg gatgctctca 300
 tgaaattcaa atggtcacia gttttcactc gtatgtcaga ttcaggaaca aaatatatag 360
 agacactcta aattgaacac ggaagctctg gtgcaaatca tatggcctaa acttttgaca 420
 tgctngtacg attgaggccc atgatatatc gagatgcttc aaattgagaa atggaagttt 480
 tcgagaaatt caaatgggca taacttttca ctcgaaat 517

<210> 7498
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 7498

agcttcatga gagagtcaaa gatcaaattg agaggaaaaa taaaaactat gctaaacaag 60
ccaacaaagg gagaaagaag gttgtcttcg aaccgggaga ttgggtttgg gtgcacatga 120
gaaaagaaag gtttccggaa caaaggaaat caaagcttca accaagggga gatggaccat 180
ttcaagtgc tgaagaatc aatgacaatg cttacaaagt tgagctgccc ggtgagtata 240
atgttagttc caccttcaat gtctctgatt tacctctttt tgatgcagat ggagaattcg 300
at ttgaggac aaatccttct catgaggag agaatgatga ggacatgacc aagagcaagg 360
gcaaggatcc actttgaaga cttggaggac ctatgacaag ggctagagca agaaaagcca 420
ag 422

<210> 7499

<211> 426

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7499

agcttagcta cacatacctc tctaatagct aagctcacct ccttgagatg agaagctaga 60
gcttagctac acacccccta taatagctaa gctcaccccc atgagaaaaa acatgaaaat 120
aacaaaaaaaa agtccttatt acaaagacaa ctcaaatgc cccgaaatac aaggctaaaa 180
ccctatacta ttagaatggc caaaatacaa ggcctagacg aaggaaaaac ctattctaata 240
atttacaag ataagcgggc tcatacttag cccatgggct cgaaatctac cctaaggctc 300
atgagaaccc tangggcctt ccttggatct ctagccaaat ctacttggag tcttttanca 360
atgcccttgc ggggtgggat tgcattcctt cctccacctg ggaaaggatt tgacctcaaa 420
tcccga 426

<210> 7500

<211> 545

<212> DNA

<213> Glycine max

<400> 7500

taccaagctt tgtgccaacc agaataatgg ggacaccagg agcataatgc ttcaactccg 60
gaatccactg aaaatgaaac cacacatgca atttatcatc gacttttttt ataaatgaat 120

tattttctta acatataaca tgateccatac atccttcatt acaggccata cagaaacctt 180
 ataattatca aaataaataa gaagaaatac acccaaaaca ctatgaccac aataaattgc 240
 cacgaagtac ctttttagag acattttcat aactggcctt gcttatgaga gagaaagcca 300
 gtatgaaaac atcggcacca cggtaactca aaggtcttaa tctgttataa tcctcttgtc 360
 ctgttcaca agtaacacaa taaatccaga gataacttcc aagctccaac atcacagaaa 420
 caataatcac gcagcattac cagcagtatc ccacaaacc agattcaca tgctcccatt 480
 gacaaccaca attgcgctga gattgtcaaa aacagtcggc acataatcct gtttttaaaa 540
 taciaa 545

<210> 7501
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 7501

agcttgtcaa agagagaagc aagttaaaaa ctcctttcaa agcaaaaacg ttgtttctac 60
 ttcaaaacc cttgaactac ttcacattga tttatttaac ccctctagaa ctatgagttt 120
 aggtgtaaata tactatggct tagcaatagt ggatgattac tcaagggtca catggacttt 180
 gtttttgaaa acaaaaaatg aagcttttga ggcttttcgc aaacttgcca agatgattca 240
 aaatgaaaaa ggtcttaaca ttgtttcact tggaagtgat catggagggtg aatttcaaaa 300
 tgagtccttt taaaactttt gtgaagaaaa tggaattcac cacaattttt ctgccaaga 360
 acacctcaac agaatggtgt tctggagagg aaaaataaat cgctagaaga aggtgcaa 418

<210> 7502
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7502

tactcgagct tgtagcatat tcaaacgacc ataactntta actcggatgt ctgattgagg 60
 cccgttatat atcgagacac tcgaaattga aaacagaagc tctgaggaaa ttcaaacgac 120
 tataactttt tactcggatg tctgattgtg tcccgtagta tatcgtgacg ctcgaaattg 180

aaaacataag gtctgagcaa attcaaacga caataacttt ttactcagat gtccgattga 240
 gtcccgtaat atatcgagat gtttcaaatt gaaaatagta gtccttagca aattcaaaac 300
 ataataactt tttactcgga tgtccgattg agtcccgtag tgtatcgaga cactcgnaat 360
 taaaacagaa gctctgacaa attaaa 386

<210> 7503
 <211> 419
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7503

nagcttctgt tttcaattnt gagaatctcg atatattacg ggattcatta ggacatccgg 60
 gtaaaaagtt attgtcgttt gaatttgctc agagcttcta atttcaattt tgagcgtctc 120
 gatatattac gggacttaat tggacatccg agtgaaaagt tattgtgggt tgcactctgct 180
 acgaactttc gttttcaatt tcgagcatct cgatatattg cgggactcaa tcggacatcc 240
 gattaanaag ttattgtcgt ttgaatttgt caccagcttt tgttttcaat tttgagtgtc 300
 tcgatatatt acaggactta atcggaatc cgagttaaaa gttattgttg tttggatatt 360
 gtacgagact ttgttttcat tntcgagcat ctcgatatat tacgggactt aatcggaca 419

<210> 7504
 <211> 406
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7504

tgtgcgtaat anaacttatt tgacatcaaa gatagtatta tgataacaac ttctgtgaaa 60
 taacaaattc gtgtctctta atctgtatta gaacttgcag ttggtgatac ttagaaggct 120
 catatgggtg gaacctgatt tctttgttaa tttggttgta tagctagttt cttgggaaga 180
 aggagggtat ctgacatcag ataaaccaat gccaaagggga gagattgtag ttggaggatt 240
 tagtgtgaca gctggttact ttaagaatca agaaaaaact aacgaagtgt tcaaggtaat 300
 ttcccaagtt acagttgtat gcatgacatn tttccttttt aatttccttt aactgctctt 360
 annatctgtt ttgcatatta ctaaagccac tcgtacatnn tttttt 406

<210> 7505
 <211> 364
 <212> DNA
 <213> Glycine max

<400> 7505

tgtatgatgct acttaagaac ataggtgcaa cggtatgctc ggagaacttg gctggtaatg 60
 ttttgaagtg agtatacttt gtcaaacaat ctacaatcac ctaggtaatt gacttcccct 120
 gtgacactgg taagtgtgta ataaaatcca tagagaagtc tttccagacc taattgggaa 180
 taggtaaagg ctataaaagg ccatgctatt tgtgattggg agacttatgc ttttgacaaa 240
 tctcacaggt ttgcacatac tccttgacat cccgacacat gtgtggccat gaaaaggaag 300
 ctgccaaaca tataagcatg cctttaacac ttgagtgtcc tcctgcaagg gtggcatggc 360
 aatc 364

<210> 7506
 <211> 345
 <212> DNA
 <213> Glycine max

<400> 7506

tgagttgctt gttgacaagg atctcaagac taactatgac aggattgagc ttgaggaaat 60
 agttcaagtg gcactcttgt gcacacaata tcttccgggc cacaggccca aaatgtctga 120
 tggtgtacgc atgcttgaag gtgatgggct tgcagagaaa tgggaagcct cacaaagtgc 180
 tgacactacc aagtgcaaac cacaagaact ctcttcatca gataggtatt ctgacctcat 240
 tgatgactct tctttgtag tccaagccat ggaactctca agccctatga tgtgaacctt 300
 acggggcgga tcgcttgata caggctacga atatttggat gacgc 345

<210> 7507
 <211> 315
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7507

gctaataata tgtcaaaact gccaacgaca cagggtatg ggtctgatga ggagtgaatt 60
 ctgaaaactc aatgttcttc tggtcggat atatnttgtt ntgttttttt gataagcaaa 120

tgttttatac tttgttngaa cttatgtcac ttttttcagc ttggaattct tttgaattcc 180
 ttgaagagaa tgctcgacag cttgcgccct aggattgaat cccagttcaa gacatggngt 240
 tcttgcttgc cacatgttgg aaacacgaca cctgggtgag cgactagtga ggtgacagtg 300
 atgctgagag caaag 315

<210> 7508
 <211> 363
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7508

agcttgctaa atggaagcaa aaaagtctat caatgggggg tagaataacc ctcattaatt 60
 cagtcttaac agctntaccc atctatttgc tgtccttctt caggatcctt aaacatgtgg 120
 tgcaaaagat tgtctctatt caaagaaact ttttatgggg aagtcacac gaggccaaaca 180
 agatcccttg ggtgaggtgg gacacagttt gcctccctaa gagtaaaggg gggttagggg 240
 ttaaagattt gactaaattc aatgaggctt tgcttggcaa atgggggtgg gagctggcat 300
 ataatcagaa tcaaccatgg gccagaatt tattgtctaa atatggtgga tggaaggatt 360
 tga 363

<210> 7509
 <211> 380
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7509

agcttctggt gggacatctt gacttgcctt ccaatctgac attcaccaca gattctgcct 60
 tcttctatct tcagattggg aatgcctcta acagcacctt tgtcaatgat tntcttcatg 120
 cctcttaagt gcagatgtcc aaatctttga tgccatatat tgacttcac ttctttggag 180
 actagacatg tggaggagta actggtttct tgagggtgcc ataggtaaca gttgtccttt 240
 gatctgctgc ccttcattag gacttcactc ttctcatttg tcaccaagca ttctgactnt 300
 gtgaagttac attgagtcct tcatcacaca actgactgat gctgatcaag ttcgcagtca 360
 gtcccttcac cagcagtact 380

<210> 7510
 <211> 269
 <212> DNA
 <213> Glycine max

<400> 7510

tacacagga tcaactgcat taaccgcata accatatgag agcaatgact gtgacgcgaa 60
 cattgataat actattggac ggaaaagctt gttccaaacc ataggaggaa tcatttagtt 120
 tgcaaaccat aggactttga aacacttaag acaaagtgt tctggaagca tcacatgaag 180
 tagcttcttc aatgtcacca tttagaaaaa caggcttaac atccatctga tgtagctcta 240
 aatcacaagg agctacaagt ggcattatt 269

<210> 7511
 <211> 317
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7511

tctaaactnt gtacaagaat gaagctctga taccacttgt tttcaagtgg cctcagatat 60
 cttaagaagg tgggggtgaa ttaagatatt ccaaactttt ctctaatta aaaatctatc 120
 ttactcttta cttaagttat gaattccctt aatgacacat cttcttaaata attaattcaa 180
 atgaagcaac ttgaattatg aatattaagc aataatcaat aaaggagatt aagggaagag 240
 aaaatgctaa ctcagtttta tactgggttcg gccacaccct tgtgcctacg tccagtcccc 300
 aagcaaccg cttgaga 317

<210> 7512
 <211> 242
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7512

atatcgttgc tagcaagcag tatatcatcg acatataaca ccaagaatga gtatttactc 60
 ccgctaaact tgtggtatcac acaatcatca actgcatttt ccgcanaacc atatgaggta 120
 atgacttgat ggaacttgta atactattga cggaaagctt gtttcaaacc atagatggat 180

ttattagttt gcaaaccata atttgagtca cttaatacaa agttttctgg ttgcatcata 240

tg 242

<210> 7513
<211> 416
<212> DNA
<213> Glycine max

<400> 7513

agctttctgc agggaagcta agtgtgaagt atgcaatcct gcataggatt ggcactgcca 60
actgggtacc caccaatcat acttccactg ttgccacagg tttgggtaaa tttctgtatg 120
ctgttgaac caagtccaaa ttttaattttg gaaactataa ttttgatcaa actattaagc 180
attcagaatc ttttgctgtc aaattaccca ttgccttccc aactgtattg tgtggcatta 240
tgttgagtca acatcccaat attttaaaca acattgactc tgtgaagaag agagaatctc 300
ctctatccct gcattacaaa ctgtttgagg ggacacatgt ccagacatt gtctcgacat 360
caaggaaagc tgctgcttca cgtgctgtat ccaaggatga tttgattgct gaactc 416

<210> 7514
<211> 356
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7514

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ctcgagacgc ttgaaattga ataccgaagc tctgagcaaa ttcaaacgac aataactctt 120
tactcggatg tcggattgag tcacgtaata tgtcaagacg ctcgaaatag aataccgaag 180
ctctgagcaa attcaaacga caatacctat tgactcggat gtcggattga gtcacgtaat 240
atctcgagac gctcgaaatt gaataccgaa gctctgagcg aattcaaacg acaataactt 300
tttactcgga tgtgcgattg agtcccataa tatgacgaga cactcggaat tgaata 356

<210> 7515
<211> 320
<212> DNA
<213> Glycine max

<400> 7515

agcttgatta tactgtagcg gcacctaggt ctctaggcgt gatcccgggtt atatgtgtac 60
cctgcgtgaa agtggcatgc gctaagtctt gcacacagac tacaagccgt agacaacact 120
tgcaaaacct gtggtgccga cagagtgaac cttctcccat tagaggcgtg gcgctctctg 180
accactatac aagacggaga cctcgtttgc caactgcatt aacgaatccg tcaacacgaa 240
caccttgctg acgtaccgcc cgatgctctg ggatgctgct agaccatta ttgtcaagtg 300
gatgtcttgc acgcgcttat 320

<210> 7516

<211> 347

<212> DNA

<213> Glycine max

<400> 7516

tgtctctcaa cactacaaag ctattcacct ttaatccttt tgtaaagata tcttccagct 60
gcatttcagt gctgcaatac ctcaaateca gctgcttctt gctcaccttt tccctcagaa 120
aatgaaatct agtctcaata tgttttgatc ttccatgtgc tactggattc atggccaaac 180
tgatagtaga tttgttgtct acatacaatc taactggcct ctgaatttcc accttcaatt 240
attcaagcaa gaagtccaac ccacaaggct tgacatgtag catagcaaga tgctatgtac 300
tctgcctcac atgaggataa agccaccact tgttggttct tggaaca 347

<210> 7517

<211> 389

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7517

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aaatcaacca actcatctaa catcattttc caataatggc cgattggaat gtccatttgt 120
ttttgtaccc tggctgattg caaatgtatt tcgaccggaa gtacagcatc atgcccataa 180
gtcagtcgaa atggggtagt attagttgat tccttangag aatttctaca tgcccataga 240
acttgatcta acgttttatt ccaatttctt ggcttttggg caatgtgttt tttaatcaag 300
ttaattacaa tcttattggc tgcttcgaac ctgaccattg cttgcgcgta atatggtgtt 360

<210> 7518
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 7518

agcttgtctt aaagaaaatg atagaccaat atttgtatct tggaattggc taattaaana 60
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 aatagtttta tgcttataat ataaaatcat ttatactttg atgtaagaaa gaagtttgac 180
 aaacaaagct aatcgaagca agtaagaaat aaaatcaatt attggcacia aatcaatcat 240
 gccaaaggca tttgaaatgg taacatcttt taatatttta tattcatttt ttacaagtt 300
 atataataat aactcttttt ttattttgag aattttttat atgatatatg aaaggttggt 360
 gaaatttata taaaggcatc atgccttaca ttatatatgg tttatattaa ttaaa 415

<210> 7519
 <211> 400
 <212> DNA
 <213> Glycine max

<400> 7519

agcttcttat ctgattctct ctgaaaatat attttcagat ttgttttcat tcttatgtga 60
 ccaaagcaca gcttcaaatt tggccacttt agatttatca cgcaatcaaa taaaggggca 120
 actgccagat tggttgaaat cagtaaagca attactgttc cttgatttaa gcagcaacaa 180
 attgtcaggg aagattccta tgtccatggg cgcccttggt aatatggaag ccttggtttt 240
 acgaaacaat ggtttaatgg gtgagttgcc ttcttctttg aagaattgca gcactttatt 300
 tatgctggac ctgagtgaag atatgttgtc gggccaata ccatcatgga ttggagaaag 360
 tatgcagcaa ttgataatct tgaacatgag aggaatcac 400

<210> 7520
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 7520

tatagttatt ggagggagaa taaaacaatc caaaatcaat tgtacccttc aagtaacgaa 60
gaattcctttt tgcggtctctt agatgaggag aggtaggagc cttcgtaaag cgacacacaa 120
ctcccaccgc atatagaata tcgagccttg tattggtttag ataccttaaa ctcccacaa 180
gactcttaga gaccatggag tctaccttct ctcttctatc aaactttgat aacttcaagc 240
caccttccat aggtgtgttc acgggattgc aatcaagcat attaaatttc ttcaacactt 300
cttttttgta gctgtcttgt gagacaaaga taccattctc cgtttgcttc acttncattc 360
ccaagtaata tgacatgagt cccatatttg tcatatcana ttacagagac atgaact 417

<210> 7521

<211> 358

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7521

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taagtgactg cacccttttg gggctcagaa gctcaaggac acatattttt cttttgtgtt 120
tccagctntc tccataggat gcaaaaccaa tgctattaca tccatacagc aagggttttg 180
ctgctgtggt tttgggtcgg tttgagaaag ttatgtcgtg agttttcatg atttccctga 240
ccgcgtctgg agatgaaacc accaaggctc gagtctgccc caactgcaac aacatcagag 300
aaccatgctt ttgtgagagg gttctaagag aatggatgg caatttgctt agttgatg 358

<210> 7522

<211> 308

<212> DNA

<213> Glycine max

<400> 7522

cgcttgagcc aattcaaatg acaataactg tttactcgaa tgtctaattg agtcccgtaa 60
tatatcgaga cgctcgaaat tgcataccga agctcttagt aaattcaaac gacaacaact 120
ttttactctg atgtccgatt gagtcccgtg agatatcaaa acgctcaaaa tggaatgtgg 180
aagctctgag caaattcaaa cgataataac ttttaactcg gatgtctgat tgagtcctgt 240
gatgtatcga gacgctcgaa attgaatacc gaagctctga gccaaagtca acgacaataa 300

ctttttac

308

<210> 7523
<211> 347
<212> DNA
<213> Glycine max

<400> 7523

agcttctgta ttgaatttcg agcgtttgtt catataacag gagtcaatca tacatccgag 60
ttaaaagtaa ttgtcgttcg aatattctca gagcttccga attcaatttc gagcctctcg 120
atatattaca agacttcatt ataaatccga gtaaaaaagt tattgtcggc tgaatttgct 180
caaagctacg gtattgaatt tcgagcgtct tgatattatt aaaggactcc atgagacatc 240
cgagtaaaaa atttattgtc tgtagaattt gctcaaagct tcaacattac atttcgagcg 300
ttgcgatata ttaccggact caatccgaca gtcgataaaa aattact 347

<210> 7524
<211> 337
<212> DNA
<213> Glycine max

<400> 7524

gggatccttg agtcacctgc ggcattgaagc ttcttacata gtccgccttt gctttatctt 60
ctttatgctt aaaaacagaa acattaggca taggcaaaag atcaagagga gttagtgggt 120
taaaaccata aacagcttca aaaggagaac aattagtggg gctatgaaca gctctattgt 180
aagcaaattc aacatggggg aaacaagctt cccaagtttt taagttcttc ctcaaaactg 240
tcctaagcaa agttcccaaa gtctatttaa caacttccgt ttgtccatcg gggtgtgggt 300
gacaagtgtg tgaaaataac aatttagtgc ccaactt 337

<210> 7525
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7525

agctntgcat accccgagga tccattatga aattacttgt gaaagagagc catgaggggtg 60

ggctcatggg ccactttggg atagacaaga cccttgtctt actcaaagaa aagttttatt 120
 ggccccatat gaagaaagat gtccataagc attgcactag gtgtgtggct tatttacaag 180
 ccaagtctag ggtgatgcct catgggctat acacaccatt acccatctgc acccgtggta 240
 gacattagta tggactttgt ccttgggctt cctataatcc gaagagggtg agactctatc 300
 tttgtgggtg tggataggtt tagaatgata aaagtgggtg ataggaacta aacttctttt 360
 ctctaccact tgtcatccac aaactgatgg gcaaacaag gta 403

<210> 7526
 <211> 338
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7526

agcttagagg tttgtctagt tctcatcttg gatgattctt ccgagagttg agggatttca 60
 nggatggtcg taaactatta atcttactta ataattcaat gttgctatca cctatctcct 120
 ccctagggga tttttgtttc ctaagctctc taaatttttg tttggctttt tcgctaacct 180
 ttagagtgcg tttggataaa gaattttaac tgaggaaagt aatttattag agaatttgaa 240
 cttctgtaat ttagaattca ttgtttggat gctttttatg aaanattaaa attttggatt 300
 ttaaacagaa tttaaact anaatctgga attcaatt 338

<210> 7527
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 7527

agcttccttg agaagctaga ggggtggggg acacacaccc ctccaatagc taagctcacc 60
 cctttgcaa aatacttgaa aatacaagaa agtctctatt acaaagacta cttaaaatgc 120
 cctaaaatat aaggctaaaa tcctatacta ctaagggtacc cttaacttgt agggcagggt 180
 gcccttaatt ttaggggtac cctacaaacc taaaaatgcc aaaatacaag gcccaaaaga 240
 aggaaaacct attctattat ttacaaagat aagtgggtca tacttagtcc atgagcctaa 300
 aatttaccct aaggcacatg agaaccctaa ggctttctcc tgcacttttg gctcaatctt 360
 cttgtagtct tctatccaat gcccttaagg taggattgca tcatcc 406

<210> 7528
 <211> 380
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7528

tatgctacaa acattataat agacctcctc agcaacttat ccaacaacaa cagaataatt 60
 atgacttttc aagcaataga tacaatccag gttggaggaa tcatccaaat ctgagatgga 120
 caagtcctcc acaacaacaa cagcttgtcc ctcttacca gaatgttgct ggtccaagca 180
 agccatatgt tcctcctcca caaaaaatac aaccaacaac tgaggctcct cctcaacctt 240
 ccttagaaga gttagtgagg caaatgacca tccaaaatat gcaatttcag caagagacaa 300
 gagcctncat tcagagtctg acaaatcaga tggggcagat ggctactcag atgaatcaag 360
 cttagtccca aaattatgac 380

<210> 7529
 <211> 396
 <212> DNA
 <213> Glycine max

 <400> 7529

tgtaagggct tgggtggcaa atgatagtga gactcaactt ggataccaac cttgtgctac 60
 aacaattgca acaagaccca ccatccacaa tatgagaaca atttttgttt aaaaccttgt 120
 atcttgtatg aaagatgttc tctctttggg tttgggttag gtcacaggat tgactcccaa 180
 ggagccttct caccattaga agatcacctt cttcaatatt ctcatcacc ttggtttcac 240
 cctcacttcc acttgaggaa ggagaagaag tttcctcctc ttggctacta tagatgtctt 300
 gaccctcat gatcatgggtt ttctttgtgg ggcattgaga agcaatttgg cctttcccaa 360
 tacatttgaa gcacttgatg ttactagttc tatctt 396

<210> 7530
 <211> 386
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7530

ntaagaaaag tcaaacgaca ataactttta actcggattt ccgattgagt cccgtaatat 60
acgagacgct tgtaattgaa aatagaagct ctgaacaaat tcaatcgaca ttaacttttg 120
actcggatgt ccgatttgtt tccgtaggat atcgagacgc tcgaaattaa aacggaagct 180
ctgagacaaa tcaaacgaca ataactttta ctcggatgtc tgatcgagcc ctgtaatata 240
ttaagacgct caaaattgaa acggaggctc tatgaaaaga caaacgacaa taactttcga 300
ctcggatgtc tgattaagtc ccgtacgata tcgagacgct cggaattgga aacggaagct 360
ctgagacaaa tcaacgacaa tacttt 386

<210> 7531
<211> 385
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7531

agcttgtag cttgatgact tgtcagaatc aatttgtag ctagcatcaa atcagagaat 60
taaacctgga catcttttag aaatgcttgc tgaattaaga caggcagaaa tctagtgtct 120
ccatttgga caaaaacca ttctttgcag catataatcc aaaaaaacc atgagactga 180
gtcataggcc ttttcaaaat ccaccttgaa aaccatagct ggccttttgc ttctacaagc 240
ttnctcaatc acctcattaa gaactagtat gccatgcagg atgtgtctgt tttttatgaa 300
agctgtctgc ctctcatcaa taagaccaa tatcacttgt ctcaatctat ttgctaataa 360
cttagctatc acctgtaca tacat 385

<210> 7532
<211> 202
<212> DNA
<213> Glycine max
<400> 7532

tccattgctc aatttcgagc atctcgatat attatgcgcc ttaataggac ctccaagtga 60
aaatttatga ccatttgaat tgctcaagag cttccattgt tcaatttcga gcgtctcgat 120
atattatgca cctgaatcgt acctccgagt taaagggttaa gaccatttga aaatcttaga 180
gcttccattg ttcaatttcg ag 202

<210> 7533
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 7533

atatttcaat ttttattaaa ttattgcaat aagaaggaaa tgttttgtaa aaataaatac 60
 tactaaaaat tctattatta atataattaa tattgatgtt atgaagatca attttctcct 120
 atatttaata ccattaatta ataattaatt tataggatga aatatttaca atgttatcta 180
 attatttatt ttattttttt aaatacataa ctcacattaa attaaaatta tgacagtaaa 240
 aagggtttct cttattgctt ttagaatttt aggtttgaaa ttatatcgac ttaataaaaa 300
 tataacaaat ttaatatatt gctgaaacta atttcccgtt ttccttacac actttgggtat 360
 agaaactttt a 371

<210> 7534
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 7534

ttatcaaag gatttaaaaa gtgcattctt aaatggcttt attcaagagg aagtatatgt 60
 agatcaaccc cctagatttg aaaactcggg caagcctaatt catgttttta gattaaaaaa 120
 ggcgttatgt ggcttaaaga aagcccctag ggcttggtat gagcgtctga gtaagtttct 180
 tttagaaaag gatttcttag aggcaaagta gaactactct tttcataaag agaaaattac 240
 atgatatttt attggtcaat ttatgttgat actattattt ttggatctac taatgaatta 300
 ttggcaagga attctctcat gacatgcaaa atgagtttga aatgtcaatg atgtgagaac 360
 ttaat 365

<210> 7535
 <211> 241
 <212> DNA
 <213> Glycine max

<400> 7535

ggggcacgaa atttatgcct caaatgatgt atgaactttg aagtgttaatt tctcaaatga 60

tcgaatttga aaaattgcac acacaagacc tttatttata gcctaagtgt cacacaaaat 120
 tggaggaaaa tttgaattta cttgaatttg aatttgattt gtggagccaa atttgaacc 180
 aaaatttcac tattatgata gtgaatttca gctatgggtt agcccactaa tccagatcaa 240
 g 241

<210> 7536
 <211> 312
 <212> DNA
 <213> Glycine max

<400> 7536

ttatcataga ttggcatgtt attttctttc atttgtgagc cctaaagttt ggggtatgtg 60
 aattttgtga atttggttgg tcaaggccct caggtcattg ttgtaggacc tactgattct 120
 ggaaagagta ccttgtcgag gatgcttctt agtagggcag ttaaacaagg gtggaagcct 180
 acctttggtg atctggatat tggccaaggg tctataacaa ttcctaaatg cattgccgcc 240
 actccaattg aaatgtcaat cgatcttgtg gaaggcattc cacttgaaaa gcctcttgtt 300
 tactattatg gg 312

<210> 7537
 <211> 322
 <212> DNA
 <213> Glycine max

<400> 7537

ttcccccatc gccacgaag tcacgcacct cttctgggtt tcctttcaaa ttcacgcaga 60
 cgaagaatac aatgcaactg tcaacaaaac catgctactc aaccttctaa ctgccctgaa 120
 atctttcacg acatcccggt tggcccatgt aacgggtcaa accggaacca aacactacat 180
 gggcccagtt ttcgaccggg ttacttcacg caacttatct ggcaccaccc accctttgac 240
 gaaaacatgc cacggctccc ttaacaaaact tctactacgc gctcgaggac ctggatgctt 300
 cttagcgccc tcgctgacgt ac 322

<210> 7538
 <211> 452
 <212> DNA
 <213> Glycine max

<400> 7538

actcagcttg atgatttcta tggcatatga acaaccttca aaacatccat tggcatcttt 60
tcgtttcaaa tgggtgtacaa aaacgtgtgc tatctaccaa tggagttaga actaaaaact 120
cattatgtga ggattgatgt gccattatct tctctatctt ctttaaccctt tttgcacat 180
tttaattact gatttgtctt aattgggtata ttaattatgc atttttatca tttgggtcta 240
ctggattaat tttgtgtttt aattaatttc acgagaatta taagcaattg ggcttgaatc 300
caaaattggg cttagacttg aagaaagcag actatcttat tctaccaa at tttatcttat 360
cttgatttta tcttatctaa atattattta aaattgatct catctagata ttatttcac 420
taaactctatc ttaactaaaa ttatttattt at 452

<210> 7539

<211> 475

<212> DNA

<213> Glycine max

<400> 7539

agctttctat ctcttcttta ataaagattt ggtggttagag accccaacta gtggttctgt 60
gttaacttct aatgtgtgtt tggattgtcc tgtggaagtt tctggtaaaa taattatgat 120
tgatctgatt tgtttgcctt tgagccaaat tgatgttatt ctaggaatgg actggttata 180
ttccaacat gtcttggtta actatcttga taaaactatg gtgtttgatg gttttggagt 240
gagtaaagat atgatgttca tctctaccaa ccaagttgtg tgatgaggac atgaccaaga 300
gcaagggcaa ggatccactt gaaggacttg gaggacctat gacaagggct agagcaagga 360
aatccaaaaa agctcttcaa caagtgttgt ccatactatt tgaatacaag cccaagtttc 420
aaagagaaaa gtccaagggt gtgagttgat gagaatcctg aaactggcca aatac 475

<210> 7540

<211> 608

<212> DNA

<213> Glycine max

<400> 7540

taaatgacgg cggcgcacct cccgacatcc gatttttct cattgacgt atgctagata 60
cccagacatc gtcattaacc tcccaccct ctcacaacac ttcagcagcg cgtaaagctt 120

atcagctacc ctaatctcat tagtagaaga atcttaggctc tgggactgat gttgagactg 180
 cttggaaaga tggaaaaggg tgaaggatat ctgttataat tgttataggt ggaaaaaaat 240
 gctaaaatta atagaattta tgtgcaatca gctttttttt tcaaaggata catattgtcc 300
 agtcaggat attatctact ctactgtgct catctttatc aaacagaaca tgaaactgca 360
 attttaagt agaaaggcca cgaatatatt tctaacaca tgggcaaaca ttgtatatat 420
 ttcataaaaa ttatcgcgta taaaaatgat tgtcattaga gtggtcgtaa ataacaggaa 480
 ttctgatccg ctgatattat gtataatatc tatgaacaat acaagtgttt aaaaaaatat 540
 taatgatgct agtattaaaa tttaaaaata ttactgtctt ttatcatttg attaatgatt 600
 ttcaatcc 608

<210> 7541
 <211> 543
 <212> DNA
 <213> Glycine max

<400> 7541
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 aatctcttgc ttctatgtgc accatgagaa aaccctaag cctaggctga aacagtatcc 120
 taaagtgtc ttcatgtcat caacagatac aaccaatca ctatcagaga atccatacaa 180
 cttgaattct taacacttct taaatttgac accataatct acaatgcatt tcacttgcac 240
 agtgcacaaa acgagacaag agacttaca caaatagagt gtctggcctt gttgcagtga 300
 gatacattag acatccaatc aagctcctat aatatacttc atcaatttta tcagcaccat 360
 cttgcttgct gaacttctcc ttttgattca taggggagct aacagatttg cattactccc 420
 atttgaaaac ttctttaaaa tttcttttgc atatttcttt gacagaaaaa cactttgttc 480
 taactttgct tgatctcaaa tttcagaaaa taagtcatga gaaccagatc agtcttttaa 540
 aag 543

<210> 7542
 <211> 432
 <212> DNA
 <213> Glycine max
 <400> 7542

ttaaagatat tcaagatgga ttttcattac agtctataaa gtcttagaaa ggatatattt 60
 aataggaagg gaattcccat tgaagtaaca aaaggtttgg ccaagaaaaa taagttaaaa 120
 agtcttttac aagaaattta ctctcttggtg atcgattacc aaaggatgta gtcgattacc 180
 agtggccaca acttgattta cacagctatt aaaatttgaa ttcaaaattt gccttgtggt 240
 atcgattaca catatatggt aatcgattcc caccgtttct gaacgtttta tttcaatttt 300
 taagcttgta atcgattaca catatactgg aatcgattac caaacagag tttcagagaa 360
 tattctcaac agtcacatct ttttatgtgg ttcttgaatg gctatcaaaa gcctatatat 420
 atgtgacttg ag 432

<210> 7543
 <211> 468
 <212> DNA
 <213> Glycine max

<400> 7543

agcttttatt atgttttgtg aatgatctat gacattatgt tatttattta ttctttgaac 60
 attagttatg ttttaagtat ttggtaactta gttaattatg actgatcttg gtgtctttat 120
 tttgcactta gatgcttatg ttttatactt agacttggtt attttgtgat atatgactaa 180
 gtggtttgca tctcaatttg gttttattaa aattatgctt tatgtatggt tttagaatct 240
 tttatgtttg ttttaciaat tatgctttgt gtatgattaa attattcatg ttttacgcac 300
 tttggcctat ttgatgttgc caaaggggga gagaaaatgg gtattttaga aatcaagata 360
 ttatattttc aaagctttta aattaagcat aaattcaaaa agaaaggggg agaaagagat 420
 tagtgaactg tataacaaaa cttgtatgta ttctcttgat ttcaggat 468

<210> 7544
 <211> 525
 <212> DNA
 <213> Glycine max

<400> 7544

agcttttaat taaagaataa ttccatgctc atgggtgatg acatgaatgc aaccatagta 60
 atcagcaact tgaatgtcat ggattgagca aatgttacia tgagtaccat tgttggtatg 120
 attttttttt tcaaccattt ttctatactt tactattgct atttaataag caaatgcatg 180

tttttctttt catttgtaca gcatgttcta ataattattat gggtggcttt gtaggtgggg 240
 atggggatgt ttatagtcca agatatttgc ttccaaaacg ggtaggcca cgtagaaatt 300
 gcaagtagta gctctctact tatgcataga tatatccatc ataaaccgtt gtggcattct 360
 gggttaacaa gacattcttt attccaatgg aagagacaaa tttattgaga ctcttttctc 420
 aacaatacca ctgattttat ctttgaaacg tatttgttgt gtttcaaat tatctttgga 480
 gatgtagttg ttgttttaat gggacttttt aagtcgccat ggtaa 525

<210> 7545
 <211> 484
 <212> DNA
 <213> Glycine max

<400> 7545

tcacgatata ctacgggaca caatcggaca tccgagtttt tattattgtc attttaattt 60
 tctcagagct tccgttttca attacgagcg gctcgatata ttacgggggtt gaatcagaca 120
 tccgaggaaa acgtttttgt cgttagaatt tgctcagagc ttttgttttc aatatcaagc 180
 gtctcgttat attacgggac ttaatcgaac ctctgagtta aaatttaatg gggtttgaat 240
 ttgctacgag cttctgtttc caattacgag cgctcgata tactacggga cacaatcgga 300
 catccaagat ataagttatt tttttttgcg tttgctcaga gcttatgttt tcaattctga 360
 gcatctcgat atattacgag acacaatcgt acatccgagt aaaaagttat tgttggttaga 420
 gtttgaaaag agcttatgtt ttcaattacg agtgtctcaa tatattacgg gtcacaatcg 480
 gaca 484

<210> 7546
 <211> 479
 <212> DNA
 <213> Glycine max

<400> 7546

tctgggtggga catcttgact tgctgtccaa tctgacattc accacagatt ctgccttctt 60
 ctatttccag attgtaggac ctcggttggt gtcttatctc caccataatg gccgccacat 120
 ggtgagtagg gacaatgcca taatatgttc ttggcctcct cctttgtcac acatcttctg 180
 agaagattgt cagctcctat cttgaacaag tatggatcat cccatatgta agatcgagca 240

tcattgaaaga atttattcct ttgctggcaa gtcagggtact tccgaatgat tcccgtgct 300
 ttgaagttgg ccaaatacacc aaaccaaggt ctttcattca ccatgaacat ggattcatca 360
 aggaattcat ctgtgattta tgcttctttt gaagtgtactt actcaataac caatcatgat 420
 aagtggcacg ctacaacata ttcaaaatcc tttttatctc cgataaccaa atcaaattc 479

<210> 7547
 <211> 437
 <212> DNA
 <213> Glycine max

<400> 7547

agcttatata taacaactaa aatataacta aaaatttaaat taaaatatct gtcgattttt 60
 ttttgattaa aatatattga tagtgtaaag ttgtttttta aaattatttt aaaagttgta 120
 ttttttggtta catagcatga aacttaaagt tatatttaga ataatttttg aagcgataaa 180
 aaatgattat ttttctttat agaaaatgag tcggctcaca taaatattta taaaatttga 240
 cagttgcact gtgatattgc atatagtagc tttttaaccc agtttaatta tttagatttg 300
 gatgtggtcc tctgatttcc aagaccact gtattgttcc cctttgtact cttctccctt 360
 ataacctgcc tgccttttta tttttaattc caaccattta ttattaaata gcgctcccc 420
 tccccatttt ttttttc 437

<210> 7548
 <211> 443
 <212> DNA
 <213> Glycine max

<400> 7548

aattattagt gtgggttgga tgttgaattc tggtgtgacc tgggtcggag atgatggtac 60
 agcgggtgaa ccataagctg aagtttcttt tggtgaggta gccctggaaa agcagagcgt 120
 ttggaatgat ttcgtaaata tcagagaact attgggaaat gctggtgaaa acacgaatgt 180
 cacgaaaata taaatttgaa taacgaatgt acagggccgt gtgaagcaac ggtcgaatat 240
 gccttggttc agtagtgaac gcgctattaa tgataagtga ttcgtttggg cacgttcaga 300
 tatcactagc tgctacaatt actctagcat acaaatgccc agcttgcccc tcatattttc 360
 aaactgattt gcatccacag cctttgtgaa aatatctgct atttgatcct cagtggcaac 420

atgcttcagt gcgatcactt tat

443

<210> 7549
<211> 555
<212> DNA
<213> Glycine max

<400> 7549

agcttgtcag gttcagtttc aattaagctc ttggggcatc ctatggactg agcgaaaagg 60
ctcgggtcat caaatactgc acatctttta aagcacaaaa cgaggatcgg aacctcaacc 120
ctacgttctt tttaaaagac tgcaatgaga aaattacaga ggacaggaat ccctagggga 180
aaccaagaag aacacacaaa aataaaaaaca tgcagcgact tcctcaattg cccagatct 240
taagcatatt atcgcttgac aacgtcggag ttcacgggtg aaggtagctc ctcgtcatcc 300
atgttggcga gcaccagggc ccctccggag aaagcccttt ttacaatgaa aggcccttca 360
tagttcgggg cccactttcc tctgttgtct ttcagagctt gggaaacttt cttcagcacc 420
aagtccccct cgctgaacct gcgcgagcat acctcttgct aaaagcgctt ttcactcatt 480
ttttatataa acgcccgtgg ctcatggtgg ccaaacgctt gccttctatg agattaagct 540
gatcgaaacg tgcct 555

<210> 7550
<211> 458
<212> DNA
<213> Glycine max

<400> 7550

agcttcaaag gtctctatat ggcctgattt ttgctaatag agcatggttt gcaagattat 60
catcttttct gatttcccat ggatacaagc aatgtacttc tgaccattct tttttcatta 120
agcatggttg caacacaatt gttattttgc tggtttatgt tggtgacatt gtcttgdcag 180
gcaatgattt gtctaaaatt caaagaatta caaatctact tgacaatgct ttcaaaatta 240
aggacttagg agactttaag tactttctgg ggtttgaggt agctagaagc tctattggta 300
taaacttata tcaaagaaag tatgcactgg acattctcaa taatgttgac atgcttggtt 360
ctaagccacg ttctacacct tgtgattaca cccaccaaca tcaacactca tggtcaccta 420
ttttagcaga agatgtttcc tcttatagga gattaata 458

<210> 7551
 <211> 370
 <212> DNA
 <213> Glycine max

<400> 7551

tgaatcttct accccatttc tgacagacaa tgggtgtggt caccttaagt gggtcctaag 60
 aagacatgcc tcacagtgat taagaatgag aagaatgagc ttatccccac aagagtgcag 120
 aacagctggc gagtctgcat tggttatatg aggctgaacc atgtgaccac aaaatatcat 180
 tttcccctgc cattcattga tcaaagtctt gagcgctcgg caagttagtc tcattactat 240
 tttcttgaag gggtttgtgg ttgtttacca agtcatattg ctcttgagga tccagaaaag 300
 agcatattct cctgggtcctt taacgctttt ttctattaga ggatgccctt tggggccatgc 360
 gacgcccctg 370

<210> 7552
 <211> 354
 <212> DNA
 <213> Glycine max

<400> 7552

catataaaac ccaagaccct taagggcttt gctgataact tcttcccggc ccaagcttca 60
 attggaggct tggcttttac aaacttaatt ggacatttgg tgaatatgga aataacaggg 120
 gaaactgggt caacccaaaa tggggtaagg aatccctttt ccttgagcat cgatctagcc 180
 atctccataa ctgggcgaat ctttcttttg gacacttcat tttggtgaag agaatatgcc 240
 actggaagtt ggctcttaat ggcttcatcc ttaccaaactc tttcaaactc gcgagagggg 300
 gactctttgc cgctatcact tcttaataact tttatccatt ttccactttg attt 354

<210> 7553
 <211> 458
 <212> DNA
 <213> Glycine max

<400> 7553

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 gctatttttg tattcattgt aactaacgga gattctaaat ttccacttaa tatgtgaagt 120

tgtacctttt ctgagacctt attgctacta ccatttagta gctctggtgc catccaaggt 180
 agagttccac gaacaccacc agacaccaag gtatttcgct taatctttga taggcaaaa 240
 tcaccaacct ggtgaaaagc aagtttctta gctttatcac aatgaagaca atgtaataga 300
 atgaataatc cacagcttga aaagatacct tgcatattgg ccgcatagga tccttcaagt 360
 tcacgagcaa attgtcacat tttaagtcaa aatgcacaat atttttcgag tgtgaatatt 420
 ccattccaaa agcagcatcc atggcaatta tcagtctc 458

<210> 7554
 <211> 558
 <212> DNA
 <213> Glycine max

<400> 7554

tttaaagaat taagtgttaa ggggtcaacct caatatgttg tcttaactta atgaacttaa 60
 tgagtagatt gatactttta agacaacctt agccaaattt gttggagaaa cggaaaatct 120
 taacaaattg gaacgatatg gaagatgtcc catagacaaa tctggtcatg ggtatgaggg 180
 acaaatgcat gtgaagtttg tcaaaacaga aaacaagtta aaagttcctt ttctagcaaa 240
 aatatttttt cctcctcaag accttttagaa ttattacatc ctgatctgtt tggcccaact 300
 agaacaacct cagtaagtgg aaaaaggat agactagttg cagtggataa ttactctaga 360
 tggacctaga ttttgttcct agcccacaag gatgagtcct tcaatgtcct ctttaaattt 420
 tgtaaaagag ttcaaaatga aaaaagaatg tgcattactt caattagaaa ggacaatgga 480
 aaagaatttg aaaatgaaaa tttttcacta ttataggagg atttctatgt gtcttgaaat 540
 tatgagctac tcactcat 558

<210> 7555
 <211> 621
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7555

agttgaagat actccttttg cttctcccat tttatgatcg catgccaagt acttaccat 60
 tcccatcccc ttctttacac tcaactcatg taaaaacaat tgaggtgttt cgattaaaga 120
 gaacttcaga tttctgaaaa ttaatggatt ggcctaggcg ttgccattct tcattgtttg 180

ctctaaagaa aaggatagag tcatgtaaaa caaatcttc aaggatgctc ttcagcttta 240
gacattcttc atcatttgct ttaaagaaaa ggaaacagtc atctctgaag agtagatgat 300
agatactaag ggcacttatg tagattttta ccccatgaat acaacctcta acttctagt 360
atttgattaa tgtcaataag cccttattgc aaaggatgac gaggtagggg gacaaaggg 420
tcccctatct caaccgtga cctatgacga taggcctaac cttctcacta ttaactatga 480
gtgagtagct cataaattca agacacatca gaaatcctcc tataatagtt gaaaattttc 540
attntcaaat tcttttccat tgtcccttct aattgaagga atgcacattc ttttttcatt 600
gtgaactctt tacaaaatta a 621

<210> 7556
<211> 509
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7556

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tttctctcct tggcatggc tatcattgat gattctaacc cctcaattct tcattcatcc 120
aataatccta gcattgctct agtttcacac ctcacaagtg aaaactacaa ttcttggaag 180
aaagcaatgc gcatggcacn ttacgggaag aacaaatatg agtttgtcga tggttcaatt 240
cctgaaccta ctttgggtca ctccacccat gctttatggc atcgcaatga taacattgtc 300
tcctcctggc tccttaattc gttatcaaag gagatgcaag tgagtatctt aactgttct 360
tttgccaaag caatttgta tgatctcaca gaacgtttcg aacaacgtaa tgggcatttg 420
attttcaact taagcctgaa ttgatcactt tgcaacaagg gtccatgtct ggttcttct 480
tttactcaa gcttcgttct ctctgggag 509

<210> 7557
<211> 497
<212> DNA
<213> Glycine max
<400> 7557

gctttttaac aaaattttca gttttgtttt ttctacgttc actatattta tttattggat 60

taggttttca caacacgtgt caaattggac tgatttgcca ttctgagaga ctgcagcgct 120
 ggaagtcaag aatgagcttg atttcaagaa taaggcatta tttacccaat gtatagacaa 180
 cctcttcatt cgacagtagt gtaacttaaa atcatcaagg aggtccgggg ctttactgat 240
 ttaggtttga aggaggcaaa ggatttagtg gaaaaagctc cttccgttat aaagaaaggc 300
 gtttcaaagg aagaagcaga gcaataatag agaaaatgaa aattcttggt gcaaaagttg 360
 ttatggaatg aagtgatata ttttgtttct tcccgtttc aatatttttag ttggtagaaa 420
 aatttggatt ggtgaccag gatactactt tgctagtgt gtgttaaatt tttttttaca 480
 cgaactggaa tttgatt 497

<210> 7558
 <211> 514
 <212> DNA
 <213> Glycine max

<400> 7558

agcttttagct ttgtcccaa ggcttcatgt agacttgcc aaaatcgca agtgaacctc 60
 ggatccctgt cagatacaat actagaagga attccatgca acctcactac ttccttgatg 120
 tacaactcca ctagcttctc cattctatac ttcatattca ccggaataaa atgagcagat 180
 ttggtgagtc gatctactat gaccacaca gcatcatgtc cacgactagt cttgggtaaa 240
 ctagatacaa aatccataga tatgctctcc catttccatt ccggaatttc caatggcttc 300
 aattctcctg atggctgctg gtgctcaacc ttagcttttt gacatgtcaa acatcttgct 360
 acatattcag ctacatcttt ctcatgcca tgccacaaa aacttctctt caaatcttgg 420
 tacatcttag tcattcttgg atggaaacta agacgacttt tatgctgttc ttccaagatc 480
 ttaactttca aatcatctaa atatggcaca tata 514

<210> 7559
 <211> 493
 <212> DNA
 <213> Glycine max

<400> 7559

tatgaatatt tcaagaaaga cattaaaact ctattccttg tattgttct tatgctttta 60
 tatgttgaga tttgatagt ttggatcatg aaaacttggt gtgtgaaaag tctcatgatg 120

ttagataaaa ctatgtgaga gttcatgtga ttggtgataa tgatatgaat agtgaattga 180
 tgaagaattg agcaagatgt gaggatgaa ttggtgataa gttgaatgag atgtatgacg 240
 ttgatgtcgt gttattatca tataattaac tttgttttac aaactaatat aaaataatta 300
 tatgttatgt tgagtaactc tatgtacatg aagaagaccc ataatgcta atttgtgaag 360
 tgatgataca tgtatataat tattgtggta agagatgctc ataattatgt ttattgatgg 420
 atgtcttaca ttgtgtttat tgatttctcg atgatgatat gagatgtggc tgagatgatt 480
 ttgttttatt att 493

<210> 7560
 <211> 315
 <212> DNA
 <213> Glycine max

<400> 7560
 atatcctgat gaaggtgtcc atatgttctt tttactggac taatacattt gctacccaag 60
 tttcatggtc ttgcaggatga aaatcctcat aagcatctta aggagttcca tattgtttgt 120
 ttcaccatga agccccctga tgtccaagaa gatcatatct ttctaaaggc ttttctcat 180
 tctttggagg gagggtgaaa agattggcta tactatcttg ctcttaggtc cattttcagc 240
 tgggatgacc ttaagagggt gttcttgggc aaattcttcc ctgcatctat gaccactgcc 300
 atcagaaaag acatt 315

<210> 7561
 <211> 442
 <212> DNA
 <213> Glycine max

<400> 7561
 tatagttatt ggaggagaa taaagcaatc caaatcatt tgaacctttc aagtaacgaa 60
 gaattctttt tgcggctttt agatgaggac aggtaggagc ctccataaag cgacacacaa 120
 ctcccaccgc atatagaata tcgggcctcg tattggttag ataccttaaa ctcccacaa 180
 gactcttgaa gaccgaggag tctaccttct ctcttctatc aaactttgat aacttcaagc 240
 caccttccat aggtgtgttc acgggattgc aatcaagcat attaaatttc ttcaacactt 300
 cttttgtgta gcttcttctg gagacaaaga tccattctc cgtttgcttc acttgcatc 360

ccaagtaata tgacatgagt cccatatctg tcatatcaaa ttcacgagac atggactcct 420
tgaagtctgt caacaaattt gg 442

<210> 7562
<211> 515
<212> DNA
<213> Glycine max

<400> 7562

agcttgtagg gttaaagtct cacgattgtt acgtgctcat gcaacaattg ttagccgtgg 60
ctatacgaga catctttcca aacaaagtca ggtagcgat aactcgctg tgctttttct 120
tccatgctat atttagcaaa gtcattgatc cagtcattgtt tgttgagttg gaaaatgagg 180
ccacaattat actgtgccag ttggagatgt attttcccc tgctttcttt gacatcatga 240
ttcacttgat tgtgcatctg gtcagagaaa tcaaatgttg tggctctgtt tatctacagt 300
ggatgtaccc ggtagcgga tacatgaaga tcttaaaagg gtatacaaag aatctatctc 360
gtccataagc atctattgtt gagaggtaca ttgcagaaga agccattgaa ttttggtcag 420
aatacttaga gaaggctaaa cctgttgggc ttctgagtc tcggcatgat gacagaaggg 480
ggggtaaggg ttcaagaaga ctgcatgtga tcaact 515

<210> 7563
<211> 304
<212> DNA
<213> Glycine max

<400> 7563

ctcagcttca caaggagaaa tatacctacc atcgagataa tgcttattct tatcaataga 60
ctgctcagtt gtttcatcgt cattctgggc aggtacaaaa gccgtgggta tgcgatcata 120
acctttttta atgtgcttga ataaatattt gatggacatt gattgattgc accattctat 180
gttgaggtga gcctgatatt tcaacaataa gattggattg tatggtacca cgtatctatt 240
gtctaggggt attccatttt tatctatatt ttactatcat tatgccttct ataataggat 300
attc 304

<210> 7564
<211> 598
<212> DNA

<213> Glycine max

<400> 7564

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acctggagat atgtctcggg ggtcaagaga ccttggggac gtcaggtggg gtgctattgc 120
ccaaaaccaa gcttgaccaa tcccgaacca acccgggcat agtcgggtcag tgagaacctg 180
tgatgtacct aagcaggcga gctcctggca gtcaacagat gaaaggaaaa cgagaccact 240
aagcaaggag gcttgtgggtg gctggccagc tgtgaattct gtgtaatatg tggattgtgg 300
cctctggtaa tcgattacca aggggtgggta atcgattaca aggcttataa atgaagacag 360
gaggctaaga tgggtctctgg taatccataa ccactgggcg tgaaactgaa gaaagagcgc 420
gaacttcggg cttagctgaa agaatacaca cagtaggttg cttttttgat tttcatgaaa 480
ttacaacctc tcctagaaac acacatgaac cagatgttca cctgcatgtg tctaaacatc 540
ctccccaatc agcatttgca tatgcagata atttgaagga gtttcttgct ggaaaata 598

<210> 7565

<211> 514

<212> DNA

<213> Glycine max

<400> 7565

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aactaactcc atctttttca tacagctgta atacccccct caagttggag agtaaatgtt 120
aatgagtccc aacttacggg taaaagaaga gaaagccaga agcattaagg gctttgtgaa 180
gatatctgca acttgatgtt ggtatttcac atgaacaagc ttaagggtgt ttgactgcac 240
taactcacia atgaagtgat aatcaatatc aatgtgtttg gatcgttcat ggtgagctgg 300
attagatgct agactaattg caaatttgct atcacagaaa agcatggtag atttgatgga 360
aatctcaaag tgcaggagta atcgtcttat ccaaattact tcacttgaaa ctgaggaaaag 420
agctcgatat tctgtccttg ctgaatatat agacacagtg gtttgctttt ttgatttcca 480
tgatattaaa acatctccta gaaacacaca tgaa 514

<210> 7566

<211> 530

<212> DNA

<213> Glycine max

<400> 7566

tttgtcactc caccataacc ctggtggata taaaggcttc tttgaatcag tttgtaatgt 60
attatacata agggcatgtg cttgctgaaa agactcttgt ccgagggtcac caatcatatg 120
ctccaagtga tctcccattt ctacatcaaa tgggttcagat tgggacccat tctgcatgtc 180
tatcaattca ccatgccata tccacgctgt ataattcttc ttaatcccat cacacaacag 240
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caaaaatttt ccatccta at ccagatgact tctttcgaag gcaaattgca agaactcttc 360
gagccttcc ttatatgcaa ggctcatgcg acttttggtc atccaacttc gatccatcta 420
aataataact ctgtgatact cacaaaagta ttcgatgcat gaaaatatcg ctattttatt 480
ataagtgtgg ccctatccca ttgatgaaga cttttttta tggtagcttc 530

<210> 7567

<211> 586

<212> DNA

<213> Glycine max

<400> 7567

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aaagggtgcc agcatgttag taaactttgg aggtctttat aagaatggtc aattagtttt 120
tttttttcac tttcttggc ttccttattt tgaattattt tcaaaagata caagaccccg 180
ataaaattta gaaaaataa agaatcgagg taaatagaaa aaaataagaa cccaaaaggt 240
catttggcct tttttggtta actttcataa ttaaaagtta gcttttataa gacaacaata 300
tgtaatttta acaaaatagt aacttttgtc atttgaacat aaggtaatta tattctataa 360
ctatctacct tgtaatatgg ttactactaa acatttgata tgattaaaac ttatcatatt 420
cttatgatat caaatttta tcttcttctc atatcctatt atactttatc caccaaatga 480
gttattagag taaatgttgt atacaaacgc ctaataagat tgtatcatta tattatcaaa 540
taggtttgac aatataaatc ttttaagccaa atgcattact ttttga 586

<210> 7568

<211> 576

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7568

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atttaatcta ttataagttc atagcctatt tttttctatt ctaattcata ttttaataata 120
tattgtgata aatataaatt tataaaaaaa attccttgat gccttaattg ctttaattta 180
tggcatacaa ataaagaaat ttcttcaatt acttaaatat aattataaat tttgggtttt 240
cgatgaaatg tgaatattct cacaaacttt ggcccaaact acttatcggg ctattttatg 300
atccatgtca tacttaaagt tttttttacc tcttaatata ttacatagga tttaaattaaa 360
attcttttat ggccctaata tatgagagta ctgatactta atcctaatag acaaatacaa 420
ctaccgaggt aatganaga gagagaaatg aggggccaat taagaataca ccccaaaaga 480
aatttgcatt atgaagaaac aaaactaaag aagaagcaaa caatacttaa atgaatgcta 540
gacatgcaag tttccttgct caaacatcaa gtaaac 576

<210> 7569

<211> 467

<212> DNA

<213> Glycine max

<400> 7569

tgtgctattc caagttcatt aatcatacct ttaagctata ttgcttcctt cactccttca 60
gctagggcca tgtactctgc ttcagttggt gctctatcaa aaactgattg ttgatttggt 120
ttccaattga ttgctgtacc aaacaaagta aacacatata ctgttaaaga tttccttggt 180
tttacatttc ctgcaaaatc tgcacttaca tagcctgtga ttgctgcctc atgtgttgct 240
ttcttgatcc ttaatccaac tttcaaagat ccatttagat accttagtgt ccacttcaca 300
gcttcctagt gtgcactgcc aggatctccc atgaatctgc ttataatact tacaacatga 360
gccaagtcag gtttgctgca aaccattcca tacattatgc ttcccacacc actggcatat 420
ggtggttgat ccattttaca ctttttttca gctgggtttg gtgcttg 467

<210> 7570

<211> 389

<212> DNA

<213> Glycine max

<400> 7570

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aactcgcctt ctaataaatg gaaggacttg cttgcttcat gtgaaatgag tacatttgta 120
ccttacctat gttcattctt ccaagaaaag atgtcttttg acttgtaagt aactgggcgt 180
cttctactat gatctttgaa ttaaaaggaa gtgaaggaaa tttcatgacc ctatattata 240
tatataattg ctgctcagaa tcttatatca ctatatgttt gaaacttttt atgtttggaa 300
aacagcacia tgactagttt acacaatctt gcaccttaac atgtatttgc acaatctgaa 360
cttggtgaga tataatggga attttattt 389

<210> 7571

<211> 406

<212> DNA

<213> Glycine max

<400> 7571

ttttagtttc agatgatgca gatggggttg tagctacctc atgcactcct ctaatgacta 60
tgccatcatt tctggcgcta aactgttggg agttggaagc catcttctca attaaatttc 120
tggttcagc aggagttatg tctccaaggg ctccaccact ggcagcatct atcactctc 180
tctccatatt actgagtcct tcataaaaat attggagaag aagttgttct gaaatctgat 240
gggtgggggca actggcacat agtttcttaa atctctccca gtactcatac aggctctctc 300
cactgagttg tctaatacct gagatatact tctgatggc tgtggctctg gaagcacgga 360
aaaaatttct taagaatact ctcttaaggt catccccact cgtgat 406

<210> 7572

<211> 457

<212> DNA

<213> Glycine max

<400> 7572

agcttgaagg tttgtacatg accaaatctt tatttaatcg tctttaccta aagcagtctt 60
tgtattcggt taaaatgcat gaagatagat cagtaggaga acaattggat ttgtttaata 120
aactgattct agatcttgaa aatattgatg tcaactatga tgatgaggat caagctttat 180
tattgttgtg ctctttgcct aagagttact ctcatctcaa agagacttta ttgtttggaa 240

gagattctgt ttctcttgat gaagtgcagg ctgctctgaa ttcaaaagaa ttgaatgaaa 300
gaaaggaaaa gaagtcatct acaagtgggtg aagggtctgac agcaagaggc aagaccttca 360
agaaagatag taaatttgat aagaagaaga aaagccagaa aatcagaaga atgggtgaacg 420
aaacatcttc aaaatcagat gttattactg taaaaag 457

<210> 7573
<211> 429
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7573

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aagttattgt cgggtttaatt tggctcagaa ggttcaacaa tttcaatttc tagcgggtcg 120
ctatattacg ggactcaatc agacatccga gtaaaaagtt attgtcgttt taattggctc 180
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agtaaaaagt tattgtcggt tgaattgggt cagagcttca acattcaatt ttgagcgtct 300
cgatatatta cgagactcaa tcagacatcc gagtaaaaag ttattgtcgt ttgaatttgc 360
tcacaggttc aacatttaat ttcgagcgtc ttgatattt acgggactca atcagacatc 420
cgagtaaaa 429

<210> 7574
<211> 468
<212> DNA
<213> Glycine max
<400> 7574

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ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttggtgtg gatgatttct 120
ccagatttac ctgggtaaac tttatcagag agaaatcaga aacctttgaa gtattcaaag 180
agttgagtct aagacttcaa agagagaaag actgtgtcat caagagaatc aggagtgacc 240
atggcagaga atttgaaaac agcaggttca ctgaattctg cacatctgaa ggcactctc 300
atgagttctc tgcagccatt acaccacaac agaatgggat agttgagagg aaaaacagga 360

ccttgcaaga ggctgctcgg gtcattgcttc atgccaaaga acttccctat aatctctggg 420
 ctgaagccat gaacacagca tgttacatcc acaacagagt cacactga 468

<210> 7575
 <211> 484
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7575

ttcactctaa agtctcatga catgagaaga gtatattacc ttgtaccttt tattattgac 60
 tttacttttg gcattaacta ttaaattcat tcattcaacc tgcatttagt aacttccttg 120
 tggatggagc cattcttttc caactcattt taccatgtat gaatgaacag tatggaaagg 180
 attatgaata tgaagctcca gtcaagcttt tggataaact gctgcattcg atgccacaat 240
 caccggatga acaacttggt gtggtctctc aggtatgctt tctctcgggc tttctttctg 300
 ttgtttctcc taaggacctt atgatgtctg attaactttt tgacacatta aagggtgctgg 360
 tggctgatat caacattgga tatgaagata ttgntaacac ccaagggtgt aatgggtatg 420
 ttccatcttt tttgcttttc cttgctgaca gctatattgg cttactgct caagttttta 480
 ctgg 484

<210> 7576
 <211> 440
 <212> DNA
 <213> Glycine max
 <400> 7576

tggaacaaat atttttaatt cttggtcccc ttagagactt tgtaaagatg tctgctaatt 60
 aatcattaga actaacaat tctaataa cattcttaaa aaggactttc tcccgaacaa 120
 aatgacaatc aatctcaata tgtttagttc tctcatggaa tactagatta gaagctatat 180
 gtatggcttc ctgattatca caacatagct tcatttggtg agtatttcca aacctcaatt 240
 cttgaagatg tttaatccaa atgagctcac atgtggctac aaccatagct ctatattcag 300
 cctctgcact agaccttgca acaacatttt gcttcttact cttccgtgag acaagatttc 360
 cttccaaaga cacacaatat cctgaagtgg aacgcctatc aatgggtgat cctgccccat 420
 ctgcatcaca aatccaacta 440

<210> 7577
 <211> 298
 <212> DNA
 <213> Glycine max

<400> 7577

agcttatgac catacgaact ccttttttagt ttccgttggc caatttccag cgtggagatg 60
 aggtatgatc ccgaatcgga catccgtgag aaaagttatg accactcgat tttctcgaga 120
 gcttccgtag ctcaatttcc agcgtctcga aatatcatga ccccgaaatcg gacatccggg 180
 tgaaaacata tgaccacttc gagctatcga gagctcccggt tggatcaatgc cgagcgtcta 240
 gaagagttaa gccccgaat agaacattcg agtgaaaacc tatgaccatt cgaattcc 298

<210> 7578
 <211> 510
 <212> DNA
 <213> Glycine max

<400> 7578

agctttgatg gtgttgagaa gaaatcacat gtttgtcatc atcaaaaagg gggagaatgt 60
 gaatgtatgt atacatgatt ttgatgatgc caaagaagaa tctaacaagg ctgcttcaaa 120
 tgataagcat ttgcttcaaa aataattcaa gattgcttca acaaacaaag ccttggtttca 180
 agattcacta aagaccaagc cttgccttaa aacaatgtgc tttcaagaca tgcaaggctc 240
 tggtaatcga ttaccaggaa gtgtaatcga ttaccagaag acagggttga gaaatagctg 300
 ttgaaaaagg ttttgaattt gaattttcaa catgtaatcg attaccatat gtctgtaatc 360
 gattaccagc aacgaaactt tggaaattca aattcaaaag tcataaccct tcaaattata 420
 actgtgtaat cgattacaca aacattgtaa tcgattacca gtggaaagt tcaaaaaatc 480
 tgccaacagt cacatctttt cattagattt 510

<210> 7579
 <211> 567
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7579

tccccccaat ggtattttaa atttcatgga ctttattaat ttgtttcctt gtattatacg 60
 tagatgatat tttgcttgtg gctaatagata agggcatgct atatgaggta aaataatttc 120
 tctcaaagaa ctttgatatg agggatatgg gagagacatc ttatgtcata ggcataaaga 180
 tccatagaga aagatctcga ggcatttttag gcttgccctca agaaacctat atcaacaaag 240
 ttttagagag atttaatatg aaagattggt caccaagtgt agctcccatt gtgaaggggtg 300
 acaaacttgc tttgaatcaa tgccccaaaa atgattttga gcgggaacac atgaaaaata 360
 ttctatatgc ttcagcagtt ggaagcctta tgtatgctca ggtttgact acacctgata 420
 ttgcattcgc tgttgagtc ttgggaagat atcaaagtaa tccacgtatt gaccactgga 480
 aagctacaaa gaaagtgatg agatatcttc taggaacana ggattacatg ctcatgtaca 540
 gacaaacttg atgtctggaa gtgattg 567

<210> 7580
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 7580

ttgagccaat tcaaacgaca ataacttttt actcggatgt ctgattcagt cccgtaatat 60
 atcgagacgc tcgaagtga atgttgaacc tctagtcaaa tgcaaacgac aataattttt 120
 tcttgatgt ctttttgagt cccgtaatat atcgagatgc tcgaaattga atgttgaagc 180
 tctgagcaaa ttcaaacgac aataactttt tactcggatg tctgattgag tgctgtaata 240
 tatcgagacg ctcgaaattg aatgttgaac ctctgagcaa atgcaaacga caataatttt 300
 tttctcggat gtctttttga gtccccgaat ataacgagac gctcaaaatt gaatggtgaa 360
 tctctgagcc cattcaaacg acaataactt tttactt 397

<210> 7581
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 7581

agcttgtatc aaattcaaac gacaataatg ttttactcgg atgtttgatt gcgtctcgta 60
 atatatcgag acgctcgaaa ttgaaaacgg atgctcgtag caaatgcaaa ccgcaataac 120

ttttaactcg gatgtatgat tgagtaccat aatagatcga gacgctcgaa attgaaaaaa 180
gaagttctga gcaaattcaa acgactataa ctttttactc ggatgtctga ttgagtcccg 240
taatataattg aggagctcga aattgagaac agaagctctg accataatca aaccacaata 300
actttatatt cggatttgcg attgagtccc gtaatatatg aagacgctcc aaattgaaaa 360
acagaagctc tgaacaaatt caaacgacaa taacctttta ctcggatg 408

<210> 7582
<211> 308
<212> DNA
<213> Glycine max

<400> 7582

gacactatat aaactcaact ttataggctc gagctcggac tgaggtgaat actttatatt 60
tgatcttggc tcattacctg acataggatc tctttatatt ataaggctca ggatggctca 120
tataaaaaac cggcttatac cacgaacctt tttaaaagtc tgcttacaga cgtatttgat 180
taatcaatat atttcaaaac ctagtgaaat actgactgaa aaaacaaact tacttaattc 240
tctataagaa aacgacagat gcaaaaaaca ttgatgaact aatgatatt gaatacaaat 300
cggtaaag 308

<210> 7583
<211> 562
<212> DNA
<213> Glycine max

<400> 7583

ttagctagtg taataaagat accaattatc gatacaaaaa ctccatatgg ttgatttatt 60
taaaaaaaaa aaagtcaaaa acaacatgta tggaatagag atatttgaac caccaaagta 120
aagaactggt acaaataagg aagaaatgaa taggtttaaa taggaagcaa cataaaataa 180
accaaatttg agtggtttaa ccctatatgc tacactcggt tgctacctac tattattggt 240
tacctgtgat gacagttaat tcaaaatgta atttataata ttaatatctt atttttgatt 300
tttttaattt gtggttggtt gaatactttg gtgcatttgt caagtgatta cgattctttg 360
tgttaaaagg tattatcgat caacttcttt atttctaact acaaagtttt acatggactg 420
tttatagaaa tattttgtta tgtattacat ttaaaacata ttggataaga gtgttctcgt 480

tagtgacaat ttgtcattaa ttgagtgtta atacatgtca taactatcga taggagtagt 540
 tgttcttttg cattgcataa ct 562

<210> 7584
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 7584

ttgatgcaac atatggagag gttaatgaaa caacgagatg atgcgctcca tgagagggtg 60
 gatcaaatgg agaatagaga tcataatgaa gaagaaagga ggagaagagg gaatgatggt 120
 gttcctagac aaaaccgaat tgatgggtatt aaactcaaca ttcctccatt taaaggaaaag 180
 aatgatccgg aggcctactt ggagtgggag atgaaaatag agcatgtttt ctcatgccac 240
 aactatgagg aggaccagaa ggtgaagctt gccgccacgg agttttccga ctatgctctt 300
 gtgtggtgga acaagctaca aaaggagaga gcaagaaatg aagagcccat ggttgatata 360
 tggacggaga tgaaaaagat ca 382

<210> 7585
 <211> 499
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7585

tcttagtttc agatgatgca gatgggtttg tagctacctc atgcactcct ctaatgacta 60
 tggcatcatt tctggcgcta aactgctggg agttggaagc catcttctca attaaatttc 120
 tggcttcagc aggagtcatg tctccaaggg ctccaccact ggcagcatct atcatacttc 180
 tctccatatt actgagtcct tcataaaaat attggagaag aagctgttct gaaatctgat 240
 ggtgggggca actggcacat agtttcttaa atctctccca gtactcatac aggctctctc 300
 cactgagttg tctaatacct gagatatact tctgatggc tgtggtcctg gaagcacgga 360
 aatttttttc taagaatact ctnttaaggt catcccagct cgtgatggac cttggagcaa 420
 ggtaatacag ncagtccttt gccactccct ctaatgaatg aggaaaagcc ttcagaaata 480
 tgtgatcctc ttggacatc 499

<210> 7586
 <211> 600
 <212> DNA
 <213> Glycine max

<400> 7586

agcttcatat tacatgatat agtcttgagt ttattttcta acctataaac ttgacatact 60
 aatatcatca tattcaaaca tattttgacc cctaagaaaa ttcttacctc aagaaagaat 120
 tattaatctc atcctcttca taggttagac actgatagaa tttaaaaaat attgtacact 180
 tgtttgatct aatttgaggt aactttgaat aaatttagtt ttgtaaccat ttcaatgtat 240
 tagttgaatc aattcaccaa tggaaaaggt cccttgagtc ttttactgta tattaacagt 300
 tattactata gtgtaacata tagtaataac tggtaaactt gggtatgatt ccttgacact 360
 ttctaaactt taaacttggg tatgaatttg gaacatatta caagctaatt aataagatga 420
 atgaagaaga cttctttttg tattgaagaa acattacata tatgatcatt attttaccat 480
 agcccattgg agattaattc ccagagaata cactactaga cacctccttt ttaatgggga 540
 tggcttggtc tctcctaggg aaaatataca gaaaatggta aaaaaaaggg gctattggtg 600

<210> 7587
 <211> 522
 <212> DNA
 <213> Glycine max

<400> 7587

agcttcgcac ttgataaggg agaacacatg aacagcgcta ggcaatgaca ttcatgggtc 60
 tctgaacaaa tgtggagtat ggaggattgc cttgatggtc ctacttaag caatcatgaa 120
 gttgagctcc aaactcgaaa gtggaggaca catgaacagc cctaaacaag acattcatgt 180
 ggctctggaa aaggacgaga atggaggatt accttgaggt tcctctctta ggaaatcatg 240
 gaatacagct ccaatactcg aaaatggaga acacatgaac agccctaagc aataacattc 300
 atgtggcttc ggaaaaggac gcgaatggag gattgccttg aggttcctct cttatgcaat 360
 catggaatac agctccagac tcgaaaatgg aggacacgtg aatgacaacg caattcactc 420
 acgcggcttc cggaaaaaga tgaataatgg aggattgcct tgacggggcc ctcttatgca 480
 atcatggaac acaactccaa aactcaaaat ggaggacacg tg 522

<210> 7588
 <211> 520
 <212> DNA
 <213> Glycine max

<400> 7588

agctttaagt gcgattcctt tccttttctt gttattttcc tcatgttgat ttagcctcat 60
 gagttccatt tcgtgttccct gaagctttcc aaaaaaagtt gcaagagaca tgtagtaag 120
 atctcttgat tctgtaatag tcgttacctt tgggtgtcat tccttgctta aacatcttag 180
 aactttgtta ataagatctt cattgggaaa tatctttcct aatgatgcaa gatgatttac 240
 aatatgtgtt aatctctttt gcatatcctg catagtttta ttttgattca ttctaaataa 300
 ttcataattct tgggttaggg tatttattct aaacctttt gcatatgttg ttccttcacg 360
 gggttacttgt aaggatatccc acattttctt tgcattcttg cagttggata ctctaaaata 420
 atcattcatg cctaatgcag atgtaattat atttttggct tttaaattat attggaccat 480
 ttcctttctt cttcattcca ttggttcccta aggttttcta 520

<210> 7589
 <211> 505
 <212> DNA
 <213> Glycine max

<400> 7589

ttatacaact gaaacatggt agaaaaatag tgttttctca tgcacgacg ttttctaaaa 60
 ccttatcacc cttatagaca attgaaaaaa cttttaatgg aagtcaagag cacgaaattg 120
 cactgatacc gttgattggt gagcagggtt tccagcgagt tgaacacctg aatactatat 180
 ttggaaagac ccaaaagaag gataaaagta agatttgcac atggaagaag aggtccattt 240
 tctttgatct tccgtattgg tctgatctag atgttagacg ttgtatcgat gttatgcatg 300
 tggagaaaaa tttatgtgac agtgtcattg ggacgcttct taacattcaa ggcaagatga 360
 aagatggtct gaatacctgt caagatctag ttgacatggg catatgatcg cagttgcac 420
 caacgtctga tgggaaaaaa atatacttgc ctccagcttg tcatactttg tctaaaaagg 480
 agaagataag tttttgtag tgtct 505

<210> 7590
 <211> 551

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7590

agcttcacca gatttggatg ctgcaaagca tatatcattc caatttcatt gacaaattca 60
 cggttccctt gtttcgattt ggaggagagc tgcttaacag caatcacatg accatctgac 120
 aacacaccct gtgattaaac catggcatcg gcattatggt tttataaaag tattgtggga 180
 taagtggcat accccgatgc tttgaaatca tttcggatt atatctgatg attaagtttg 240
 tttacctgtg atacaggccc aaatcctcct tcacctatct tatttgcagg gtctaagtta 300
 ttagtagctg ctttaatttg tcttaagctg aaataacccg ttttcaattc tagaagttct 360
 gcagcagga agatttgtaa ataaaatcac tattctatta taaaatcaac aaataagagg 420
 ggtgggggga ggaganagga gacacacca gagaaaatat tgagaaagca acaaatat 480
 gcaacgacca cgaacctaaa tccacatttt tttttaaaatt tgtcatcatt ttggaacttc 540
 aaagtaaaat t 551

<210> 7591
 <211> 582
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7591

tgttcgtaca tcgttcgctg gtatgatatc cacttgacaa ggtttgaagt agaggagacc 60
 ttcaatccta taacgcaacg tggcggacaa aaatgggcag ttaacttgaa tggccattat 120
 tgtcaatgcy gaaggtattc tgcgcttcac tatccatgtt cacacattat tgcagcttgt 180
 ggttacgtga gcatgaacta ctaccaatat atagatgttg tttacacca tgcagcacatc 240
 ttaaaagcat actccgcaca gtggtggcct cttgggaatg aagcggcaat tcctccttct 300
 gatgaggcat ggacactaat cctgaccca actacaattc gtgcgaaagg tcggccaaaa 360
 tcaacaagga taaggaatga gatggattgt gtcgaaccat ctgaccaccg acaaaaatgt 420
 agtagatgtg gagctgaagg gcacaatagg cgccgatgtc caatgcaatc tgaccgtggg 480
 agtaatntat ttaattgatt tatgtatgtt acatgcctga cttgtattgc tttaggtttt 540
 gttcaatgta attacttcgt tggctcttcaa taaaatcgtc ag 582

<210> 7592
 <211> 555
 <212> DNA
 <213> Glycine max

<400> 7592

ttgcttctac agataggcct atgggtgttt tgaatgcagt cctgtaggcc cataatgcat 60
 catccaactt acttgactag tcttttcacg aggaagccac agttttctcc aagattttct 120
 ttagttccct gttggaaact ttagcttggc catttttttg tgggtggtta ggtgaggcta 180
 ctatgtgcgt gacatgatag ttacctaaca ctttctgcag ttggctgtta caaaaatgag 240
 agccccacat cacttattaa gactctagge actccaaagc gagcaaaaat attcttcttc 300
 aaaaacttca ccataatttt agcatcactc ttcggagttg ccactgcttc aaccactta 360
 gagacgcaat ccatagctac gagaatatat tcatttccca aagatggagg aagaggacct 420
 atgaaatcaa tcccccaaca atcaaagatt cccacttcca ttatgttttg caaggggaatt 480
 tcatttctcc tagagattcc tcccatcctt tgacattgat cacaatgaat ggcattgtca 540
 tgaacatctt tgaaa 555

<210> 7593
 <211> 588
 <212> DNA
 <213> Glycine max

<400> 7593

tgtaaattat tgatttaaac attatttagt ttattttttc ttttaaacad aatatacatt 60
 tatgtaaagt ttactttcac catttagttt gtcaaattat atcaaattca agttagacaa 120
 cattattttc aatatttgac tcattgtatt aagttgaata tgacaattct attattattt 180
 gtatctaaag ataattatta taaaattcaa taaatttaca ttacattccc taaaaaatt 240
 ataatacata atattttata acattttata atttgatgac aataataatg ataaaatgca 300
 ttaggctagt taactcaact gaaacctttt caatgaaatt tatgtcttta aaatataata 360
 tcatattaaa tatgaataat tctactctca tgtaagtatg atataaatg gacttaactc 420
 ataaaattgt gacttttaca ttactcaagc cttattaaaa ttttcttgtc caatttgta 480
 tattttgttg ttggcattga gtcaactcaa cttgaacttg ataatatatt tgtccctcta 540

gataattata acattattgt ataacattag tgtataacat atattttt

588

<210> 7594
<211> 508
<212> DNA
<213> Glycine max

<400> 7594

tctaggatgc ctattctaga tacaaccaa tcaggatgca cactccaaac gaggagaaaa 60
caacatttat cactaaatat gccaaactttt gctatagggt catgcccac agcctccaaa 120
ttgcaggcgc tacatactag agattgatgg atcgaatttt caaacaacag accggagtct 180
atgttgacca catggtcgct aaatcttaga gcattgccca acatgtggta gacctggaag 240
agggtgttcgg agagctctac aaatatgata tgcgcctcaa cccaaaaaaa tgtactttcg 300
aggctctgtga aagaaaattc ttgggcttta tgatcatgca tcggggaata gaagccaacc 360
ccgacaaatg cactgctatt ttggagatgt gtagtcttac taacgtccag gaaatccaaa 420
agctgaatgg aagactacca tccctgtcca ggtttcttcc aaagcttgct gaaaagtga 480
gtcgttctac gaattgctca agaaaaat 508

<210> 7595
<211> 439
<212> DNA
<213> Glycine max

<400> 7595

agcttcaaca tcagaccact ttcagggtgct ggaactactt cacatggact tgatggggcc 60
catgcaagtt gaaagccttg gaggaaagag gtatgcctat gttgttgtgg atgatttctc 120
cagatttacc tgggtcaact ttttcagaga gaaatcagac acctttgaag tattcaaaga 180
gttgagtcta agacttcaaa gagaaaaaga ctgtgtcatc aagagaatta ggagtgacca 240
tggcagagag tttgaaaaca gcaagtttac tgaattctgc acatctgaag gcatcactca 300
tgagttcttt gcagccatta caccacaaca aaatggcata gttgaaagga aaaacaggac 360
tttgcaggaa gctgctaggg tcatgcttca tgccaaagaa cttccctatt atctctgggc 420
tgaagccatg aacacaaca 439

<210> 7596
 <211> 367
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7596

actcctttaa tgacaatagc atcatttctt gcaactgaatt gttgggagtt ggaagccatc 60
 ttatcaatca gattcctagc ctcaacagga gtcatatcac caagagctcc accattggca 120
 gcatcaatca tactcctctt catgttgcta agtccctcat agaaatattg cagaaggagt 180
 tgctcagaaa tctggtggtg aggacagctt gcacacaatt tcttgaatct ttcccagtac 240
 tcatacaagc tctctccact aagttatctg atgcctgaaa tgtcttttct gatggtagtg 300
 gtcctagatg canggaagaa tttctccaag aacaccctct taagtcatcc canctggtaa 360
 tggacct 367

<210> 7597
 <211> 381
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7597

gtgccaatc gntctcttct ttagttttgt cttcttctgg cttcaattct tcagtgggct 60
 ttcttctgt gtccagcatc ttgggatgtt cccagccttt gatgacagct ttccagggtc 120
 tgctatccag tgatttgagg aaggccacca ttcttgcttt ccaatattca tagttgcttc 180
 catcgagaat tgggtggtctg ttcactgggc cgccttcttt ctccatgttc atcagaattt 240
 atctccctag atctcactct gtgatttcga gtgttggtc tgataccaat tgaaattctg 300
 ataccagggg acagatgtcg tacaggatgt cagcacatca cgcttcagaa catgcagatt 360
 atatgtgtcc gtatgaacag a 381

<210> 7598
 <211> 255
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7598

atctcaaagc ttcngtattc caagtcgagc gtctcgatat attacgggac tcaatcagac 60
 atccgagtga aaaggtatat tcgtttgaat ttgctcagag gttcaacatt caatatcgag 120
 cgtttcgata tatgaccaga ctgaattaga catccgagta aaaagttact gtagtttgaa 180
 gttgctcaga gtttccacat tcaatatcga gcgtttcgat atattacggg actgaatcag 240
 acatctgaga aaaaaa 255

<210> 7599
 <211> 265
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7599

ttactcggat gtctgattga gacccgtaat atatcgagac gctcgaaatt gaataccgaa 60
 gctctgagca aattcaaacg acaataagtt ttactcgtat tggtcgattg aatcccgtaa 120
 tatatcgaaa cgctcgaaat tgaagaccga agatctgagc gaattcaaac gacaataact 180
 ttttactcgg atgtctgatt gagtcccgta gtatatcgag acgctcacac tngaattgccg 240
 aagctctgag caaattcaaa cgaca 265

<210> 7600
 <211> 363
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7600

aacataagca cttagacaat gaaggaaagc tggagttgct gcacatgatg tccaacgtta 60
 tgtcaaagaa taaaatcggg ctgcacaatg cacaaggcaa gataaagtgt caaatgaaga 120
 attgaagctg caggattcac gatgtctgat acaatgtcca ggacatcctg cccgaaaata 180
 ctggagttgc tgaaagcatt gaagttgcag gatccacgat gtcggatata atgtccagga 240
 catcctgccc gaaaataactg gagttgctga aagcattgaa gttgcaggat ccgcgatgtc 300
 ggatactatg tccacgacat ctggcccga nattctggac atataaatct gttatatctt 360
 taa 363

<210> 7601

<211> 325
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7601

agctttgaat gctctattca atggagttgt tatgaatata ttcagactta tcaacacatg 60
 cacagtggcc aaggatgcat gggagatcct gaaaaccact catgaaggaa cctccaaagt 120
 gaagatgtcc agattgcaac tattggctac aaaattcgaa aatctgaaga tgaaggagga 180
 agaatgtatt catgacttcc acatgaacat tcttgaaatt gccaatgctt gcactgcctt 240
 gggagaaaagg atgacagacg anaagctggt gagaaagatc ctcagatcct tgcctaagag 300
 aattgacatg aaagtcactg caata 325

<210> 7602
 <211> 296
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7602

agctatcgag aatataaaat tgtcataact tttcactcgg atgtccgatt cangcacatc 60
 aaatatctag acgctcgaaa ttgaacaacg gaagctctcg agaatttaaa attgtcataa 120
 cttttcactc ggatgtccga ttcaggaaca tcacatatct agacgctcga aattaaacaa 180
 cggaacctct cgagaaattc aagtgggtcat aacttttcac tcgtatgtcc gattcacgcg 240
 cataatatat tgagacgctc gaaattgaac aacggaagct ctcgagaaat ttaaatt 296

<210> 7603
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7603

tccttctcca ttcataattt cagcaatata tattatactg ttttaggct nggnagtggg 60
 tntggactaa tagaaaactg aaaaatacaa tacaactaac aaattaacta caacggagtt 120
 tcactttgag ggtgattcat tggctaattg catatcccgg gttaaggaaa ttgccaagtg 180
 cctcaaaaaa gacacagtat tagcgaaacc tagaaattga aacattaaat tgggggtgaga 240

aaagaaacac gaaaagatta gctcaccgca ttttgctcta ctgcggtagt attaggttta 300
tagaattgac ttatatacca gtgtcaacca ataccaatat ccatagtaag tatgctctga 360
tttagattta ttagaattta cttntttacc tcattntatt cattaaaaat gagtngattt 420
tctatggat 429

<210> 7604
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7604

ggagctnttc gactatgctc ttgtgtggtt gaacaagtta ctaaaggaga gagcaagaaa 60
tgaagagcca atggttgata catgggcgga gatgaaaagg atcatgagga agcagtatgt 120
gccgactagt tactcaaggg acttgaaatt caagctccaa aaactaacc aaggcaaaaa 180
aggggttgag gagtacttca aggaaatgga tgtgcttatg attcaagcaa agatcgaaga 240
agatgaggag gtaactatgg ctcgatttct taatggtttg actaataata tccgtgatat 300
tgttgagttg caggaatttg ttgaaatgga taatttgctt cacaagaaa tccaagtaga 360
gcaacaatta aaaaggaaag gagt 384

<210> 7605
<211> 306
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7605

tcatcttata gatgaaagac aaatggcttt tatgaagggg aggcacattc ttcatggtgt 60
tntgattgcc aatgagggtta tagctgaggc taaggctaaa aataaacctt gcatggtctt 120
caaagcggat tttgaaaagg cgtatgattc ggtttcttgg ggtttcttg actacatgtt 180
gatgaggatg ggcttttgtg aaagatggag gaaatggatt aatggttgcc tgtccactgc 240
aaccatatcc attttaatta atggaagtct gttttttgga gatgccactt agcataatgt 300
tagaac 306

<210> 7606
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7606

tatcctatgg gattaccatg cacacaacga tcacaaatth aagtctatth agtntatcac 60
 ttectaatag atthttgtthc tcaagttcat gtaatcctct ttcactaaca tgacctaate 120
 tcaaatgccaa aagthttgtt ttatcaatca atgtattact agctaccgat gcatgtccaa 180
 caatagtggaa accttcaaga ataaacaagc cattacttht attcttgtha cccttagcta 240
 tgattaaaga tccatttgaa atcttacgaa cgccatttaa aattctagtt gaatatccta 300
 gatcatcaaa catgtthtatg gaaataagat ttctthtgag ttctggaatg taccttacat 360
 tthttcagtag atactctcta tcatcaaaaca tthtcaatct cacagttcca atgccttgta 420
 cct 423

<210> 7607
 <211> 337
 <212> DNA
 <213> Glycine max

<400> 7607

agctthtatgt aaactagatg ccttggttht cctggtaacc caactggcca tgaataaaaa 60
 atctgcacct gtcgccagac tctatggtht atgctcctct accgaccacc acacagacct 120
 ttgcccttat gtgcaacaat ctgaagcaat tgaacaacct gaagcttatg ctgcaaacat 180
 caacaacaga cctcctcaac ctcaacagca aaatcagcca caacagaata attatgacct 240
 ctccagcaac aggtacaatc ccagatggag gaatcatccc aaccttagat ggtcgaatcc 300
 ttcacaacaa caacaacaac agacttatth ttcaaat 337

<210> 7608
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7608

actacgcttc tacaactaan acatggtaga aaattattgt acactatgca tcggcaatth 60

ctaaaacctc atcaccctta cagacgattg aaaaaagctt ttaatggaag tcaagagcat 120
gaaactgcac cgataccatt gactgggtgag caggtcttcc agcgggttga acacctgaat 180
actgtatttg gaaagaccta aaagaaggat aaaagtaaga cttgcataag gaataagagg 240
tccattttct ttgatcttcc gtattggtct gatctagatg ttagccattg tatcaatggt 300
atgcatgtag agaaaaatgt atgtcacagt gtcattggga cgctccttaa cattcaaggc 360
aagatgaaag atgggtctgaa tacccatgaa gatctatctg acatgggtat atgattgcag 420
ttgc 424

<210> 7609
<211> 387
<212> DNA
<213> Glycine max

<400> 7609
agctttttgt aagaatggag gagaggatta taaatagaat agcacaagtt tttgcccatt 60
gaaattttct tgacaaagca agtggtgaac aaaaactctt agaaagatgt tgagaattag 120
tggttaataag ttttctgaaa ttcgtgccat ggtcacatat ttatagtcatt ttgatgactc 180
ttgaagaacc atgttaaaag ttgtgacagt tggcaaaaac tagtcacttt aaaagttgtg 240
actctttgga aatttatttt tcaaaaacaa tcaactggtaa tcgattacca ttatggtgta 300
atcgattaca tagtttattt tatcaaagggt tgtgactctt ctggtgaagt tttgaagtca 360
acgttcagaa ctactggtaa tcgatta 387

<210> 7610
<211> 319
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7610

agcttgaagg anaactgaat gcattggttt attnggtaac ccagctggcc ttgaattaga 60
aatttggtcc tgtcgcaagg gtttgtggtt tgtgctctc tgctgaccac catacagacc 120
tttgcccttc catgcagcaa cctggagtaa ttgagcagcc tggagcttat gctgcaaaca 180
tttacaatag acctcctcaa cctcagcagc aaaatcaacc acaacagaac aattatgacc 240

tctccagcaa cagatacaac cctggatgga ggaatcacc taatctcagt tggcttagcc 300
ctcaacaaca acaacagca 319

<210> 7611
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7611

agcttatgct gcacacatct acaatagact cttctccacc tcagtagcaa aatcagccac 60
aacagaacaa ttatgacctc tctagcaaca ggtacaatcc cgagtggagg aatcatccca 120
accttagatg gtttaatcct tcaaaacagc cgcagcaa at acaacagcct tattttcaga 180
atgctgctgg cccaagcaga ccatacatta ctccaccaat ccaacaacag caacagcccc 240
agaaacagaa gacagttgag gctcctccgc aaccctccct tgaagaactn gtgaggcana 300
tgactatgca aaacatgcag tttcaacaag agaccagagc ctccattcag agcttaacta 360
atcagatgag acaatnggct acaca 385

<210> 7612
<211> 305
<212> DNA
<213> Glycine max

<400> 7612

agcttatgac cattcgaatt tctcaagagt ttttggtgtt caatttcgag cgtgtagatg 60
agttatgtcc ccgaatcgga catctgtgtg aaaagttatg accattcgat tttctcgaga 120
gcttgcgttg ttcaatttcg agcgtctcga tatattatga ccccgaatcg gacatctgtg 180
tgaaaacgta tgaccattcg attttctcga gagcttccgt tgttcaattt ccagcgttta 240
gatgagttat gtccccgaat cgaacattcg tgtgaaaact tatgaccatt cgaatttctc 300
gagag 305

<210> 7613
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 7613

tgaattggac ctccggtgtga aaagttatga ccatnngtta ntttcgagag cttccgctat 60
tcaatttcgc acgtctctat atgtgacgct actgaatcgg acatctgtgt gaaaagttat 120
gaccatttga atttctcgag agcttctgtt gcttaaattc gagcgtctcg acatattatg 180
ctcccgaatc gggcctccgc ttgaaaaatt aagaccatt gaatttctcg agcgttccg 240
atgtttaatt tcgagcatct cgatatatta tcagcctgaa tcggacctcc gtgtgagaac 300
gtatgacat ttgaatttct cgagagcttc cgctgttcaa tttcgagcgt gtgaacat 358

<210> 7614

<211> 431

<212> DNA

<213> Glycine max

<400> 7614

gatcaaaaca attatctaatt cattccaatc cactcattat atacaattgc ttattcaaatt 60
catttctcaa cattcatttc atgcaaaaca atccactgca tatcattttc aatcaattca 120
ctattcaaac acgcttttagg tacaagcaaa caactcaaag tgctgaaatt taaataactg 180
aaattaaaat aactgaaata tgacaacgaa atcagctgga aatataaggt gtttaacctt 240
caccaaaaca tcttcaatga ctccatattg ccttgtgatg gagcgggtcaa ctaactggag 300
gggtcatgct gtgggcatta tctctatctc tccaagtcgc tggcacatgg aaagaggcat 360
taaactgata ctagctccca agtctatgag aagcttgcct acaacaacct caccaatata 420
acacggtatc g 431

<210> 7615

<211> 410

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7615

gcttgccaac ccatggaagc tctaatatc tcccacacnt tttggggtgg gtttattttg 60
gaaggccttg attntctcag ggtccacttg taccacattt ctaccaacta caaacctaa 120
gaaaactata ttatctacac aaaaagtaca cttctctata tttgcataga ggggtgtttt 180
cctaaggact gaaagaactt gcctgagatg tctaagtga tcatttaggc tctactgta 240

cactaaaatg tcatcaaaat aaaaaactac aaatctacct atgaaatccc ttaagacatg 300
 atgcataagc ctcataaagg tgcttggtgc attagtgagc ccaaaaggca ttagtagcca 360
 ttcatacaaa ccaaacttgg tcttgaaagc ntgtttccac tcatcacct 410

<210> 7616
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7616

ntgatctaac aaataggttt tgagtttatt gtccaatgta aagagaagtc ttactttata 60
 aaagctttta tatgaaataa cctattccca ccataatgg gtataggtta tccatgatct 120
 caaaccaacc gaaattgacc caattagttt ggttcaaatt tttttagctt aggtcaaacc 180
 caacacaacc caatcctgcc tgttcaattt acaagccaag taagatgttt tgttttttta 240
 actcgtgacc caaccgtaa catataatta aattcattat atatataatt aaattattaa 300
 acacaaaaca ctataacttt tttctaact aatttattaa attaaatcaa ttatactttt 360
 ttctttttca gntggctttt atatttttat c 391

<210> 7617
 <211> 395
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7617

tgtgactctn ggcaatttct ttaaaaactag ttacttatta agttgtgact tttgaaagaa 60
 tcttcacaaa caagtcactt agagaattgt gacttttgga aatgtatttt tcgaaatcag 120
 ttagtggtta tcgattacca ttaagggtga atcgattaca catcaacaga tgtgactctt 180
 cattttgaat tttgaatatc aaaacattta caagctttgg taatcgatta cacaatgtaa 240
 tgattacaag tattgtgtaa tcgattacac aagtttaaaa tacttttaaaa ctgtttaaac 300
 ataagttgta actattcgaa attgaaatct taacatttta aaacactagt aatcgattac 360
 taccttctgg tgatcgatta ctagagagta aaact 395

<210> 7618
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7618

ctcactcttc ttagtttcag atgatgcaga tgggtttgta gctacctcat gcactcctct 60
 attgactatg gcatcatttc tggcgctaaa ctgctgggag tcggaggcca tcttctcaat 120
 taaatttctg gcttcagcag gagtcatgtc tccaagggtc ccaccactgg cagcatctat 180
 cataacttctc tccatattac tgagtccttc ataaaaatgt tggagaagaa gctgttctga 240
 aatctgatgg tgaggggcaac tggcacatat tttcttaaat cgctcccagt actcatacag 300
 gctctctcca ctgagttgtc taatacctga gatattcttc ctgatggctg tggctctgga 360
 agcanggaaa aaattttcta agaatactct cttaagggtca tcccagctcg tgatggacct 420
 tggagcaagg taatacaac 439

<210> 7619
 <211> 359
 <212> DNA
 <213> Glycine max

<400> 7619

agcttatgat tccatttcct gggaattctt gtattggatg ttttaagtcca ttttctttcc 60
 cagcccagat ctgtacttgg atcatggagt gtgtttcttc cacttccttt agtgtggcag 120
 tcaatggatc catttatggt cacttcaaag gacagcgggg tcttaaacia gaggatcctc 180
 tctcccccta tctgtttgtg ctctgtttgg agtacttttc cagagatatg agcagcctca 240
 aggatgatgc caattttaaa tttcatccca actatgcagg tattcagcta tctcatttgg 300
 ctgttgcaga tgatattatg cttctatcta gatgagatat ccattctgtg ttaactatg 359

<210> 7620
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 7620

ggacactatg aaactccgct tatggacatc ttgatttcgc ctatctagta agcttttctg 60

ttctaagagg aatctgtgga ggggtgtag gaagttccac attgcttgtc tcaattttta 120
 aggtgcaact tatatatcta ttgacaact tcactactaa tgtcaattgg ttttaagcta 180
 aaatctagta gctttgtttg ttttcagaca tctgtagagg ggagtgttcg gaagtctcag 240
 atcacttgcc ttagttcccc agatacaact tatatatatg ttggacaatt tcaattagt 300
 ttattgggtt taagctaaaa tctagcaatt gacatgtatg agacacatgg aagagaattg 360
 atgaagaggt agcctgctta aattaaagca cataaatgc 399

<210> 7621
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7621

ctcacgcttg ttgatcatga ctactttaga ctcttctctt ttgtcattca tagacaacat 60
 ttccgatgac atgcggagat gcccaacggg tatccgcact tttgtcaact agaggcaagc 120
 gagcctgttg accaagacta ttttagtctc acacctttgt catctacagt cggcaagtca 180
 gatgacatgc ggagataccc aagggttatt cacacctttg tcaactacgg gcaagcaagc 240
 ctgttgaaca ccgagacttt nttagtctca cacacaaaaa ttgaagaact acgtagggtc 300
 gatttctctca tcacaaattg agaatactta ggagcaaaag ccctactttt atcgaccacc 360
 ccacactttt gttaccgtga ctcaagagtc tgggtggcata cgaagacacc cgatgggtat 420
 ccgcacaca 429

<210> 7622
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7622

tctaaactnt attcaagaat gaatctctga taccactttt tagacaagtg gccttagata 60
 tcttaagaag ggggggtgaa ttaagatatt acaaattatt tccccatta aaattctatc 120
 aagttataaa ttcccttaat aatgaacttc ttaaattattg attcaaatag aacaatttga 180
 atatgaatat aaaacaataa taaataaagg agtttaaggg aagagaaagt gcaaactcag 240

attgatgtgc catcattttc ttctattttc taaacccttt ntgcaccatt ttaattattg 300
 attggtctta attgtcaatt aattacgcag ttttattatt tggggccatt cagactaatt 360
 gatgtttnta atctaatttc aggaattaat gaagcattgg gcttgaatct 410

<210> 7623
 <211> 406
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7623

tgctaaccce tggaagctcc taatatctcc cacacttttt gtggtgggcc attcttggat 60
 ggccttgatt ttctcagggt ccaattggac cccatttcta ccaactacaa aacctaagaa 120
 aactatatta tctacacaaa aggtacactt ctctatattt gcatagaggg tgtttttcct 180
 aaggactgaa agaacttgct tgagatgtcc taagtgatca tctaggctcc tactatacac 240
 taaaatatca tcaaaataaa caactacaaa tctacctatg aaatccctta agacatgatg 300
 cataagcctc ataaaggctc ttggtgcatt agtgagccca aaaggcatca ctageccattc 360
 atacaaacca aacttggctc tgaaagcagt tntccactca tcaccc 406

<210> 7624
 <211> 381
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7624

acgcttnctt aagaagagtc cgaaggaagc ttgttcttag cttttcatac ctctctaata 60
 gctaagctca cctccttgag atgagaagct agagcttagc tacacacccc ctataatagc 120
 taagctcacc ccatgacaaa aaaacatgaa aatacaaaaa aaaggcctta ctacaaagac 180
 tactcaaaat gccccgaaat acaaggctaa aaccctatac tactagaatg gccaaaatac 240
 aaggcccaga tgaaggaaat acctattcta atattgacag agataaccgg gctcatactt 300
 agcccatggg ctcgaaatct accctaaggc tcatgagaac cctaaggcct tcccttggat 360
 ctctagccca atctacttgg a 381

<210> 7625

<211> 421
 <212> DNA
 <213> Glycine max

<400> 7625

gcttctgctc attctggaac ttcaagcttc tttgatcagt cctaattaaa attttgtttc 60
 ctagcagata atgcctccat ttcttactg ctaacaccac taccatcagt tccctctcat 120
 atattgactt gacttgagcc ctgtctgaca gaggcttgct ccaaaaagct aaagggttct 180
 cttctacaa taaaactgcc cctagcccag ttctaatgc atcagtttcc atgataaaat 240
 ttttagagaa atctggtagt gccagaataa gaagcctcct cattgctgcc ttaagctctt 300
 caaaggcatg agtagcttct acgaggtatt tataaaccaa gttagagata gttacaatcc 360
 aggtatttat aaacctctat acagcagaac taactataac taactctaac aaaaagctta 420
 c 421

<210> 7626
 <211> 435
 <212> DNA
 <213> Glycine max

<400> 7626

agcttcacat cagaccactt ccagggtgct ggaactactt tcatggactt gttggggcct 60
 atgcaagttg aaagccttgg aggaaagagg tatgcctatg ttgttggtga tgatttctcc 120
 agatttacct ggggtcaactt tatcagagaa aaatcagaca cctttgaagt attcaaggag 180
 ttgagtctaa gacttcaaag agaaaaagac tgtgtcatca agagaatcag gagtgaccat 240
 ggcagagagt ttgaaaacag caggtttact gaattctgca catctgaagg catcactcat 300
 gagttctctg cagccattac accacaacag aatggcatag ttgagaggaa aaacaggact 360
 ttgcaagagg ctgctagggt catgcttcat gccaaagaac ttccctataa tctctgggct 420
 gaagccatga acaca 435

<210> 7627
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7627

nttatccatg gcttcatatg gtgggtgagct tcttctatac tcatcttcta cttaaagtga 60
 cgtctccatt catctttctc cttctccatt cctctgcaat cagacctcaa gaagcaaagg 120
 aatccatgga tgaagaagat ccaaggccta caagctccaa tggagctaca tcatgtggta 180
 tcaagagcat cttcgtctag gtgatgttct tttgcttctt ctatcttttt gttctgtcaa 240
 ctcactataa ttcggtgggc ttcattctat tctccatgta tatcgtccat tgtcttggg 300
 tttggttctg cttagagtag attcaattaa atcttagatc tacacttgtt cttgcatttc 360
 tatggtacac attttataga tctactcttg aatcatg 397

<210> 7628
 <211> 337
 <212> DNA
 <213> Glycine max

<400> 7628

agctttggag tttccaagtg ccaattcgtc ttcttctttt gtccagtctt cttttggctt 60
 caattcatta gtgggctttc cttctgtgtc caacatcttg ggatgttccc agcctttgat 120
 gacagctttc caggttctgc tatccagtga tttgaggaag gccaccatcc ttgctttcca 180
 gtattcatag ttggttccat ccaaaattgg tggctgttct actggctctc cttctttctc 240
 catgttcacg agaatttatc tccctagatc tcaactcagt atttcgagtg ccgggtctga 300
 taccaattga aattctgata ccaatgccag atgtcgt 337

<210> 7629
 <211> 239
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7629

atctggaaca tgtgcatatg ctatacancc caaaactnta agatgnnttg ataatggctg 60
 ccttccactc tanngcttct ttggcatctt gtcatgaaca ctcttagtcg ggcacctatt 120
 caaagtgtag acaatggtag caactacttc tgcccagaac ttcttaggca ttttcttggc 180
 cttcaacatg tacctcacta tatccatgag tgttctatct ttcctttcag ttacttcat 239

<210> 7630

<211> 303
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7630

taccaccgga tatgggtactt tcacaccttc attcacaact nttcctctnt tcttctctct 60
 agctttgtca cttctactcc tctcttcatt ctatttggtc atcttttcat tntatcattt 120
 ctctttcttn tctacttctt ttctgggcat taattctttt tcttaaccat tattgtattc 180
 ttttctgat gcttcacttc tcacatatct tcatttatca gacctttctt tcacagcctc 240
 ttctggatac acactatctc atcctcactc acaacctcta ctcttgcata cagcttcatt 300
 ctc 303

<210> 7631
 <211> 232
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7631

tcttctacac ttggagtgat cacatgcaat cctcttgaac ccttaccacc cactctgtca 60
 tcatgccgag actcangaag cccaacaggt ntagccttct ctaagtattc tgaacaaaat 120
 tcaatggctt cttctgcaat gtacctctca acaatagatg cttctggacg atatagattc 180
 tntgtattac cctttaagat cttcatgtat cgctcaaccg agtacatcca cc 232

<210> 7632
 <211> 235
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7632

gatatcaagt gaatattcat tgccctctatt cctctnttat gcttgcggn taccgagtn 60
 ggaggtcctg ttcctcatcg acctgctgaa gacttggcat tttcagttgc aanggttata 120
 cagaaagggg gatcatntat aaattattac atggtaactt cattatngat tgattntgat 180
 gtngtatatt taaatattca actcagtcctc tttattttgt tcctttcagt atcat 235

<210> 7633
 <211> 161
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7633

gtacttacat tngaattcct cgagagctgt ccgttgtaa tgctgagcgt ctggatatat 60
 tatgctcctg aatcggactt tcgtgtgann aagtatgacc agttgacatt ctcgagagcg 120
 tntggtgttc aatntccagc gtctcgatat gtgatgtgcc t 161

<210> 7634
 <211> 218
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7634

tgtgtcatgg tcaagaaggt caatggcaaa tagcgaatgt gcaccaacta cattgatcta 60
 natanggtgt gccctaaaga tgcataccct ntgtccaaca tcgactggct agttgatgga 120
 gcgtncgggt tccaggtgct aagcttctcg gacgcctact tcgaatacaa ccagatcaaa 180
 atgcattctc tagacgagga gaanatgaca tntatcac 218

<210> 7635
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7635

ctgcagctgt atgtgggttaa tgtctaaata aaatattatg tttatgttat tgaagaaatc 60
 tatcagtgaa ataaatattt tgatatgaat ttgtagtatt tttaatagat angtgatgta 120
 agattattat gtgtaataag gatgaacgtt cacttcattt aaaaattgag acatttatatt 180
 gaaaatattt gagtcacatt atttatataa gtgagatnnt tagtagatac gtcttttttg 240
 tggaaaattg aaacgtgagt ggaatgtaat gagatgtttg tggtatgatc atattaatta 300
 atcatcgaga atgtgaatac tattcatttg agtatatgta aaaaatattt ctctattcgt 360
 atgatattat ctgggaaata gatttgattg tatttttttag tggccctgaa tatctgagca 420

<210> 7636
 <211> 174
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7636

atgcaattta acatctaact gctccaagta aagattcttt gcagctataa tactcagaat 60
 aactctaattg gtagtcatct ntacaactgg agagaagaat ctctgtgaaa taattccttt 120
 gttctgctga aaccctntca ccacaagtct cgctgatata cttcttctat catc 174

<210> 7637
 <211> 430
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7637

agcttaagct ccttcaactg cacaaggctc ttaatatttg aagagtatcc ttgtggaacc 60
 ttcacccgac gaagacactg acagaaactt atcttctcct tcttggacaa agtatggcag 120
 gctgggggca agtaaaatfff cttcccatca gaccttggat gcaactgtga tcgtatgccc 180
 atatcagcta gatcttgacg ggtattcaag ccatecttcg tcttgccttg aatgttaagg 240
 agcgtcccaa tcacactgtc acaaacattt ttctccacat gcataacatc aatacaatgt 300
 ctaacgtcaa gatcagacca gtttgggaaga tcaaagaaaa tggacctctt tttccacatg 360
 caactcttac ttttatcctt ctttttaggtc ttcccaaaac aatattcagg tgtngaaccc 420
 gctgatatac 430

<210> 7638
 <211> 465
 <212> DNA
 <213> Glycine max

 <400> 7638

agcttattag aaggggccata ggtattttat tgatttgtac agaaaattaa acagttgcat 60
 aaaatttctt ggaaaatatt ttttaatagta tagttaatat tctaagtaaa aataaagctt 120

ctatacagtt tttgcaatta tattttggcc aaaaatgcaa ttctagttag tttgatgata 180
 cttttttggg gctccatcca gtctagaaaa ttatttaaaa atcgtattaa gatagtactt 240
 gactttcctt tatattttta aataattttt tatggctgaa atataatttt tgttcaacta 300
 tttttatcaa tcttcaattt aggtattcct agtttagaaa tgagactttt aatcctctta 360
 ttttacaaaa ttagtagttt tggctctcca tccatatcaa tgatttgact gttaaaaata 420
 catggactgt tataatttaa ttttttaatg aagtgaatat attta 465

<210> 7639
 <211> 462
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7639

agcttagcac tagatcggat ggaccttttt atgtctcgga gaggatcaat aacaattcct 60
 ataggtcaga cctcctaggg ggaggggatg atgcaatcct ccctaggaag ggccagtcac 120
 tatagtcatg agcaagaggc tccaagagga ttgggctaga gttgctaaag aagaccctag 180
 ggttctcatg aacctcagga tagatttttg agcccatggg ccaagggttg gtccacttat 240
 ctttgtacat attagactag gttttcatta tttttgggcc ttgtatttag ggctccataa 300
 tgtaggtaag gtactggcgc ttcattgactt ancctctttt tcacctgaaa ttgcacagat 360
 ttcattcatta aatccaatgg aaatattcta gagacaactt taacaataga acaagattta 420
 tttacagaat cactacaaaa taaccataaa tttggggaac ta 462

<210> 7640
 <211> 569
 <212> DNA
 <213> Glycine max

<400> 7640

cagcttataa gccattttca ctatgagttt attattacat ttattaatcc caaagaaccc 60
 tgaaacttca tttatataca aaggcattgg atacttatta ccccccccat cgaagagaat 120
 gaatacaaaa atgttgagggt tccatccaat catttaactg cttcaaggag aacaaaaact 180
 agctagggag aaaccataga agtttttttt tccaaagaat ttgattcctt ccaaacaatc 240
 gaggagtata ctttagaaag taaaatataa agttaaata tataatcagt taaaaaatta 300

acagtcgaaa ttatgataaa tacatgcaca cacatatata acaaattata taattgttta 360
aattaggtta taataagata catgcgtata taaaacaaat cataaatata attgtgtata 420
catttatctt atgaatttag tggtaaaatg gttaaaattt ttacatact atgatagaaa 480
aagcaacaaa tttattatat atttatttgt aaatgaataa taaataataa atcgcgggtg 540
tatttatata tatatatata tatatatat 569

<210> 7641
<211> 534
<212> DNA
<213> Glycine max

<400> 7641

aaatcacaat attctataac ccaaattggtc aggctagttt gcataagggtt attgaagcaa 60
acactattac catttggttg cgcatgttct aaaaaaaca aactaagcat ataagagta 120
gctcactcta tgattagtta aggctcgaat tctcacaaaa ggaaacgtat ctgatcttct 180
cttaaaagac attgtatcta taagataata tttgtgaaaa caatacatta actagtattt 240
taaccgtgaa atttatatcc atttaaagggt gaactaaaaa tatgtaaatc catgataacc 300
aaattattga tacatgttaa ttaattaata ataaaattgt ataaaatttaa tttaaatctt 360
gaaagtacat ttttagtttt attaatttca gtaataaaat aatattttta taattttata 420
agataaaatg gaccctaatt cttataggga ttaattttta ataataagta aaaaaatctc 480
aattttggaa attcgaaatc ttaaacccta aatttcctac cctttgacaa tggg 534

<210> 7642
<211> 351
<212> DNA
<213> Glycine max

<400> 7642

agcttaatat atcgagacga tcaaaattgt tcaacggaag ctctcgtgaa attaaaatgg 60
tcataagttt taactcggat gtccgattca ggagcttcac atatcgagat gcacgaaatt 120
gaacaatgga agctctagag aaattctaatt ggtcataaat tttcacacgg aggtcctatt 180
caggcgctta atatatccag acgctcgaat ttgaacaatg gaagctctcg agatattcaa 240
atggtcataa cttttcactc ggatgtgcga ttcagggtga tcacatattc agacgcttgg 300

aattgataac ggaagctcta gagaaattaa aatggcatta ctttttacac g

351

<210> 7643
<211> 298
<212> DNA
<213> Glycine max

<400> 7643

agcttggcac caagtaaacc tcttttcttg aattatgtcc aaagtatatt tacgttggca 60
taagaatatc ccacttggat tccttgcaac ttctacacca agaaaatact tcagggtccc 120
caaatctttc atgtgaaagc acttgctgag atatacttta aatttttgga ttgtagtgga 180
gtcattccca cacacgatca aatcatccac atacaccaa actaccagtt gcactccatg 240
attaagaaga gtaaagagcg agtggtcaga ggatgattgt tgaaacccaa aaatcgtg 298

<210> 7644
<211> 368
<212> DNA
<213> Glycine max

<400> 7644

agcttgaagg caaactggat gcgttgggtca acttggtaac ccagctggcc ttgaatcaaa 60
aatctgtacc tgtcgcaagg gtttgggggtt tgtgctcctc tgctgaccac catacagacc 120
tttgcccttc catgcagcaa cctggagcaa ttgagcagcc tgaagcttat gcagcaaata 180
tatacaatag acctcctcaa cctcagcagc aaaatcaacc acagcagagc aattatgacc 240
tttccagcaa cagatacaac cctggatgga ggaatcacc taacctcaga tgggtccagcc 300
ctcagcaaca acaacagcag cctgctcctt tctttcaaaa tgcttttggc ccaagcagac 360
catacatt 368

<210> 7645
<211> 405
<212> DNA
<213> Glycine max

<400> 7645

agcttcctta agaagattcc taaagaagct tgagcttagc tacacatacc tttctaatag 60
ctaagctcac ctcttgaga tgagaagcta gagcttagct acacaccccc tataatagct 120

aagctcaccc ccatgacaaa aaacatgaaa ataaaaaaaa aagtccttat tacaaagaca 180
 actcaaaatg ccctgaaata caaggctaaa accctatact actagaatgg ccaaaataca 240
 aggccatac gaaggaaaaa cctattctaa tatttacaaa gataagcggg ctcatactta 300
 gcccatgggc tcgaaatcta ccctaaggct catgagaacc ctagggcctt tccttggatc 360
 tctagcctaa tctacttgga gtcttctaac caatgccctt gcggg 405

<210> 7646
 <211> 488
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7646

agcttttaac tgaatttgca acgttccttt tgatntttaa atggtgtaat cgattacaat 60
 atattggtaa tcgattacta gtgtatctta acgttgaaat tcaaatttaa gtgtgaagag 120
 tcacatcttt tcataaaagg cattgtgtaa tcgattacat gattatggta atcgattacc 180
 agtgaçaagt tttgaataaa aagtcaagag atgtaactct tgacatgatt ttctcaaaat 240
 tataactctt ctaatggttt tcttgaccag acatgaagag tctataaaag caagaccttg 300
 acttgcattc aaatatcttt tgagaacttt tgaacttctt tgacaacttt tgagaaatct 360
 taaacctttc ctactcatca ttcttcttct tcttcttctt ttggcacaaa agctttctta 420
 agtttctggt tttcaaacct tgttcttcta cagaaaacaa aagggggccaa atcttttcaa 480
 tctcttct 488

<210> 7647
 <211> 418
 <212> DNA
 <213> Glycine max
 <400> 7647

gctattaagc ccaatcaaaa ccctgtctgt tccaaacca cacacaatcg cgggccacgg 60
 tttcacaacg gcacagcccg atgtaatggc agcgaaccg ccaagcaggc cgttacacac 120
 gtcaatcacg ttccagtggc cagccaataa ccgcttgctg aacaacgctc tcagagccgc 180
 agtgctccca gccaatgtcg tcgtgacagc tgtcctccct atagcgctcc attgaccata 240

ataccctcca cttccatacc ccttggtat tgtcagaaac gaaccagggt tgaagccgta 300
ccagccgaac cataacaaaa acgaaccaag cccaactaaa gacgcgctgt ggccacgtaa 360
agcaaccgac cggccgaacg gtcgaaccgg gcgattctcg ggcctttaat taaagccc 418

<210> 7648
<211> 350
<212> DNA
<213> Glycine max

<400> 7648

ttttccacac tttttgggggt gggccattct tggaatgcct tgaatttctc aaggtccact 60
tggaacccat ttctaccaac taccaaacc tagaaaaacta ttttatctac acaaaaggta 120
cacttctcta tatttgcata gaggggtgttt ttcctaaaga ctgaaagaac atgtccgaga 180
tgtcctaagt gatcatctag gctcctacta tacactaaaa tatcatcaaa ataaacaact 240
acaaatctac ctatgaaatc ccttaagaca tgatgcataa gcctcataaa ggtgcttgggt 300
gcattagtga gcccaaaagg catcactatc cattcataca aaccaaactt 350

<210> 7649
<211> 327
<212> DNA
<213> Glycine max

<400> 7649

caacaacaga ataattatga catttcaagc catagatacc atccacgctg aaggaatcat 60
ccgaatctga gatggacaag tctccacaa caacaacagc ctatccctcc ttttcagaat 120
gctgctgac caagcaagcc atatgtttct tctccaatgc agctacagca acagcagtta 180
caacaaagac aacaagtaac tgacgctcct cctcaacctt ccttataaga gttatgggag 240
caaagacca tccagaatat gcacattcaa caagagacaa gagctttcat tcagagtctg 300
acaattagat ggtgcagata gctactc 327

<210> 7650
<211> 451
<212> DNA
<213> Glycine max

<400> 7650

ctcagctatg ttgcaacatt ataatagact ccctcagcag cataaccaac aacaacagaa 60
taattatgac atttcaagca atagatacaa tccaggttga aggaatcatc cgaatctgag 120
atggacaagt cctccacaac aacaacagcc tatccctcct tttcagaatg ctgctgatcc 180
aagcaagcca tatgttcctc ctccaatgca gcaacagcaa cagcagtcac aacaaagaca 240
acaagtaact gaggtcctc ctcaaccttc cttaaaagag ttagtgaggc aaatgaccat 300
ccagaatatg caatttcagc aagagacaag agcttccatt cagagtctga caaattagat 360
ggggcagata gctactcaga tgaaccaagc tccgtcccag aattctgata gattaccttc 420
tcaatctatc cagaatccca aaaatgtgag t 451

<210> 7651
<211> 431
<212> DNA
<213> Glycine max

<400> 7651

gatggtgtcg agaagaaata acatgtttgt catcatttaa aagggggaga atgtgaatgt 60
atgtatacat gattttgatg atgtcaaaga agaatctaac aaggctactt caaatgataa 120
gcatttgctt caagaataat tcaagattgc ttcaacaaac aaatccttgt ttcaagattc 180
actaaagacc aagccttgcc ttataacaaa gtgctttcaa gacatgcaag gctctggtaa 240
tcgattacca cgaagtgtaa tcgattacc gaagacaggg ttgagaaata gctgttgaaa 300
aaggttttga atttgaattt tcaacatgta atcgattacc atatgtctgt aatcgattac 360
cagcaacgaa actttggaga ttcaaattca aaagtcataa cccttcagat tataactgtg 420
tgategatac a 431

<210> 7652
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7652

tcacgtgctn tagccacgat gcattcttga tgattntctt gatggcgagg acgagtacct 60
gcttcagatg ggaatggctt ctgggcaccg caccttccat atgggttcca tgagtgcacc 120
tctctattgc tcttcattct gggtgcagtc gccgatgccg tttcaggttt ctacaagaca 180

aagattttgc ttaagtcacg tgatctctaa tcacattttt tatttaacaa ttaataaaaat 240
 taattntttt tacaacattc aaaaactgtc acaaacttat aattaaatac aatattttatc 300
 aaatgttggc ataacttatg ttaaagcctt tntgtaatat ttttaaattt taataacatg 360
 aactatatat aacattttaat aaaatatcac aaaaataaat taatcatatc tatctataat 420
 tngataatat ctttntaatg tgatcaaaga ttttaacaat atgttta 467

<210> 7653
 <211> 362
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7653

tgtgcctctt cacgtctaga atatgaatgt agcatatatt attctaagac ccttaggtgc 60
 tttgctgatg gcttcttcct gttccaagct tcaattggag tcttgtcttt tacagactta 120
 tttggacatc tgttgagtat gtaaacagca gtgtagactg cttcagccca gaatgtgtta 180
 agtagtcctt tttccttgag catcgatcta gccatctcca taactgtgtg attctttctc 240
 tcgggcactc cattntgttg aggagaatat gcaattgtaa gttgtctctc aatgccttca 300
 ttctcacaaa atctttcata ctgcgagag gtgtactctt tgccgcgac acttcgtact 360
 ac 362

<210> 7654
 <211> 439
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7654

cgtgacattt gtcagcatca gaagtatagt gctacctctt ctggaggatt gctgcaacct 60
 cttcctattc cggaacaggt ctgggaggat gtatcagttg attttatcac agggttgcct 120
 tgttcgagag gctatgaagc tattctggtt gttgtggaca ggctgaccaa atatagccat 180
 tttgttccat tgaaacaccc ttatactgcc aagggaattg ttgagatttt cgtaagggaa 240
 gtagtgaggc tacatggagt tccaaaatct ctctgagtg atagagatcc tttattttatg 300
 agtttgtttt ggaaggaatt ttttaagtta caggggacaa tgctcaagat gagtacaact 360

taccttccgc anacggatgg acagaccana gtcacaaata ggtgtcttga aacctatatg 420
cgttgtntca ttactgacc 439

<210> 7655
<211> 364
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7655

agatactaag ctttaccttt cattntaacc cttagaactt tctggccaat attgtcatag 60
ataaagcaat gttgatgttc aaaggacact ttaaatecct ttttaataca ctgacctaca 120
cttagcaagt tttggtcaat gttaggtaca taaagaacat ctgatattaa tttggtacct 180
gaacacgttg aaattgcaac agttcctttt ccttttactg gaatatagcc accattccca 240
attctgacct ttgagacatt agttggcttc aaatccttga ataaagtctt atcatatgtc 300
aggtgggtcg tacaaccact atcaatcaac caacttcac ttgattcact actcaagaag 360
catg 364

<210> 7656
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7656

agcttctggt gggacatctt gacttgcttt ccaatctgac attcaccaca gattctgcct 60
tcttctatct tcagattggg aatgcctcta acagcacttt tgtcaaggat tttcttcatg 120
cctcttaagt gcagatgtcc aaacctttga tgccatattc tgacttcac ttctttggag 180
gatagacatg tagaggagta gctggtttct tggggtgtcc ataggtaaca attgtccttt 240
gatctgctgc ccttcattag aacttcactc ttctcatttg tcaccaagca ttctgactnt 300
gtgaagttta cattgaatcc ttcatcacac agctgactga tgctaataca gtttgagtc 360
agtccttca ccagcagtac 380

<210> 7657
<211> 435

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7657

atcttgcctt caagttcacc atatctaaca acctcagtaa ccgtgtgaag gttgtgcatc 60
ccagatacaa tggcttctta gaatcagttt ctaatttttc ataataaggt gcatgcgctt 120
gcgtaaaatc ctctttccca agatcgcgta acatgtcttt tatacgatct ctcacttgta 180
catgaactgc ctcagtccaa gggattgggtg acatttgtgg taactcacca tgccatatcc 240
atcttgcata agtagaactg ataccgtcac atatatgatg tgctctaatag tcatttaatag 300
gctgttgtct cccattcaga catttaacac atggactaag atattttcca cccatttcta 360
ctgcattatg tngcacaat agcaagaatt cttcaactct attctcatac tcgtcactta 420
ttcatgctgc tctca 435

<210> 7658
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7658

agcttgtaaa acttgcattc taccctcgta ttctttaaca tacttactgc tttctctaata 60
attgtttaca gcatgaccgg ttactttcaa cccctcttga acaataaggt ttaaaatgtg 120
agcacaacat cgtatatgaa aaatacacca ccacttacta acaatgcat gcaaaaaaag 180
tctttacctc aaatagtctt gcattttatc attcgaagaa acaatatcta gagttaatga 240
aaatattttc tgctcaatcc cccattcttc caaaaaaacc atatataact ttagtcatct 300
cacgccccaa gtgtggagga ggaaaatgag aaaaattaag cattntacta ttcaactttc 360
aatttgcac aacataatgt gcagttattg aaatataacc ctcagaagt 409

<210> 7659
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7659

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 taagaatgtc tcttgctctt cacgcatggt agcaatatca ccattcctat cattaataat 120
 ggagtgtggg tccttaacag tatggacaac ctgagtgatg gaacccatag ctttcttctt 180
 atgactagct ggtaaatgaa attaaatgat tatatgtgaa tgcagaatct cacacactac 240
 taaaaatggc tcaacatatt accatcataa caaagtaatg atttacgtaa tccattcggt 300
 cgtaatgcct tttcattcat gccttctgtg tacttgctca cctcaacctg cattctgtag 360
 taataactgt attaagcatt aaacaaattt aatactgtac aacctttctc catgagagca 420
 catatcta 428

<210> 7660
 <211> 434
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7660

agcttcgcgc agatccctct nggaagacta tgcctagact aaacaacatt attataactg 60
 aaattctgat accaatgcca gatgtcgtac aggatgtcac gacatcacgc ttcagaacat 120
 gcagattatc tgtgagtgtg tgaacagatt aaacaagtaa ataacacaag agaattggta 180
 acccagttcg gtgcaacctc acctacatct gggggctacc aagccaggga ggaaatccac 240
 taaaatagtg ttagttcaag gtctaacagc cactgtttac aacctttctc cctaaccact 300
 acccgtgcga cctctaccta agagccactc ttagatatga gaacccctct cactccctct 360
 caaacactct cccgtgttta caattaaatc aaggacactc cagagaatgc tctctgaaca 420
 aaagagatca actc 434

<210> 7661
 <211> 430
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7661

agctgccaat cttgtgcaga agcttctctt gttactgctt cttgagaatt ttaagatatc 60
 ttattggaac tactaatcat ggccctacggc tcgagataag ggtctgagtt taatcttgaa 120

cgctattgtg atgttcattg gtatggatg aaagtactaa ggaacatcac tagctgtgct 180
 tgattgtcct tgtacaatca ctaatatctt ggtcatctaa gaaacaaagc acaattgcac 240
 cgtcaacctc aaaagctgag tatgtctcag cagctgtttg ttgctgtcaa atcatcttga 300
 tcaagcaaca aatgtagat tattcactag aataggctaa aatatgcatt tgggtgtgaca 360
 acacgagtgc cataaaacca tcgaagaatc caatccaaca ttcaagggtcc aagcacattg 420
 acatnaaaca 430

<210> 7662
 <211> 436
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7662

ngatccttga atctggattc tggattctag anatcaactt tcctcttgaa tcttgaagtg 60
 ttcttcaact ttctcttga atcttgaagt gttcttgatt ctatcttgaa catcttgaac 120
 tcattctttg attgaacttt gagctttttg tcatcacctt tgtcatcatc tttgttatca 180
 tcaaaacatc tttgaaccaa tcttgattca tcatgaagct ttgcttctac accaagggca 240
 ttggatagaa gactccaaga agattgggcc agagatgaaa gagaaggccc taggattctc 300
 atgagcctta nggtagattt tgggcccatg gactaagtat gaacctactt atctttgtac 360
 atatcagatt aagggttcac tatttctggg cttgtactta nggctccata gtgtaaggag 420
 ggtaccctag taatgt 436

<210> 7663
 <211> 433
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7663

agctntcaat cttgtccaaa agtttctcat gttactgctt ctaaaagaat ttaagatat 60
 cttattggaa ctactaatca tggcctacgg ttgagaaaa gggctctgagt ttaatcttga 120
 aggctattgt gatgttcatt tttatgggtga taaagtagaa aggaagagca ccagttgtgc 180
 ttgttaattt cttggaaaat cactagtttc ttgggtcatc aagaaacaaa gcacaattgc 240

cccgtcaacc tcaaaagctg agtatgtctc agcagctggt tgttgctgtc aaatcatctt 300
 gatcaagcaa caaatgttag attattcact agaataggct aaaatatgca tttgggtgtga 360
 caacacgagt gccataaaac catcgaagaa tccaatccaa cattcaaggc ccaagcacat 420
 tgacatatataa cac 433

<210> 7664
 <211> 424
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7664

agctntacat gtaacacttg tcactatggt attataagaa actgcctttt ccttctagca 60
 tctctcatgc atctcatggt tttgatttac ttcatatgga catatggggc cagtgttcaa 120
 aaccatctat gcatgggtcac aaatacttct taacaattgt cgataatcat tcacgattta 180
 catgggtaca tctcatgcat aataaagctg aaacacgacc cattatcatg aatttcatta 240
 cgtccattga aaccaatat gatagcaaag ttaaaataat aagaagtgc aatgggcctg 300
 agttcatgat gcatggcttc tatgcttcaa agggaatagt gcatcaaacc atgtgtgtag 360
 aaacgcctga acaaaacggc atagctgaac gaaaacatca acacttactt aacgtcacac 420
 gtgc 424

<210> 7665
 <211> 358
 <212> DNA
 <213> Glycine max
 <400> 7665

gtatcagtta gatctttaag tgcagatgtt caggataatg atagatctca tccagcgcaa 60
 gttgttgcag cccagatacg cacactgcta tttaaactg aaggctgcac gagttttcta 120
 ccaagtccga gattgaagag ttatcttctg agttttggga cttgagtgtt ttgtgagcca 180
 ccttgatgtt actctaacat caagtgttgg acctgagtgt gtagagttga tctcttttct 240
 tcagagagca atctctggtg tgtatttgaa ttaattgtaa acacggcagt gtgtttgaga 300
 gggagtgaga ggggattctc atatctaaga gtggctctta ttagagaggt gcacgggt 358

<210> 7666
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 7666

ttctagcatc tcttatgcat ctgatgttta tgatgtacat aatatggaca tatggggccc 60
 gagtacaaaa ccatctatgc atggtcacaa atactttcta acaactgtcg ataatcattc 120
 acgatctaca tgggtacatc tcatgcatag taaagctgaa acacgacca ttatcatgaa 180
 tttcattacg tccattgaaa ccctatatga tagcacagct aaaataataa gaggtgacaa 240
 tgggcctgag ttcatgatgc atggcttcta tgcttcagag ggaatagtgc atcaaaccat 300
 gtgtgtagaa acgcctgaac aaaacggtat agctgaacga gaacatcaac acttacttaa 360
 cgtcacacgt gcacttttgt 380

<210> 7667
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 7667

agcttcatgc ttaagtatgt atggcaaadc ttcattactg gggatcaaca catacaagtg 60
 agcttgtaac acatgttcta gacttggagt tatcacatgc agtcctcttg aacccttacc 120
 acccaccctg tcatcatgcc gagactcacg aaggccaaca agtttagcct tctcaatgta 180
 ttctgaacaa aattcaatgg cttcttctgc aatgtacctc tcaacaatag atgcttctgg 240
 acgatataga ttctttgtat acccttttaa gatcttcatg tagataaaca ggaccacaac 300
 atttgatttc tctgaacaga tgcacaatca agtgaatcat ggtgtcaaag aaagtagggg 360
 aaaaata 367

<210> 7668
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 7668

agtctcacga ttgtcacgtg ctcatgcac aattgttagc cgtggctata cgagacatct 60
 ttccaaacaa agtcagggtta gcgataactc gcctgtgctt tttcttccat gctatattta 120

gcaaagtcac tgatccagtc atgtttgttg agttggaaaa tgaggccaca attatactgt 180
gccagttgga gatgtatctt cccctgctt tctttgacat catgattcac ttgattgtgc 240
atctggtcag agaaatcaaa tgttgtggtc ctgtttatct acagtggatg tacccggttg 300
agcgatacat gacatatcta caacggtata caacgaatct atatcgtaac atatcatcta 360

agcttatata	ttaaattgttt	ctgagtat	ataagttaaa	ttacataaat	taatatataa	60
atcatttaca	taaatcattt	tatgttat	atacacattg	cgtaaattta	tactaatata	120
taaattatct	aaaataatta	aattattgaa	tggtattaat	tttctaagta	ttataaaaata	180
atttacatat	taaaaatttt	taagtaattt	ttattaacta	ccttcaataa	tttatataaa	240
taattttacat	attaaattat	gtgactatat	tgattaatat	aattagaata	aaaactattt	300
tttaaatgag	gtttttatagt	ttaaggttat	gttagcttct	taaaagtaat	att	353

agctttgagt	gtggttgata	acgagaatat	tttattttatt	tcgatagcca	attttgacta	60
aaaatgatta	caattttcttc	attctattgt	taattctaata	gaaataatga	agaaattaat	120
atctttgtaa	ttttttatca	acagaagttg	aaagaagaag	attccaaatg	ttttggagga	180
aaattgatgc	aaaaactgga	atgtagctct	ttcttattat	ctattttaatg	caatcttggt	240
tctattttctc	tttatgtgcc	taatggtttg	atatggctctg	gtcattttata	tagcatgtag	300
gggattatgc	aataaaaaaat	agttatttttc	taaagaactg	aaaaatggta	tctaaatgaa	360
atcattccta	gaaatacatt	gatattcatt	taacgcattt	catgcattcta	tattcgtaac	420
gcgattttatt	atattt					435

<210> 7671
 <211> 485
 <212> DNA
 <213> Glycine max

<400> 7671

ctcagcttat aaggccttgt atgggtctgaa acatgctccc agagcttgta acaagagaat 60
 agacaccttt ctcttgcaaa ttggattcat gagatgcact actgaatatg gtgtgtatgt 120
 taaaggagaa agtcttttcag ataccctcat agtatgttta tatgtggatg atttactgat 180
 aacaggaaag gattgcagtg ctatctcgac attcaggcaa gtgatgaagt ctgagttcga 240
 aatgtcagat cttggagaat tatcatatth tctgggcata gagttcaaga ggacaaaggc 300
 tggaatthtt atgcaccaa gcaaatacac aattgatgtc ctaaagaggt ttcagatgct 360
 tgactgcaac tcagtttcaa ctctgttga aactagtgtc gtgctggatc aatctgagct 420
 tgataaattg gtggataaga ctatcgtcac acaaatgggt ggctgtttga tgtatatatg 480
 caata 485

<210> 7672
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 7672

agctatgaga gatatactgc cccatgtatt tcatcaacag tgggaataag aaagccatct 60
 ttgattgtga tggcattcaa ggccctgtaa tctgtgcaaa atctccaagt gccatccttc 120
 ttcttgacaa gaatgattgg agatgaaaat gggctcgtgc taggggcaat aatcccttcc 180
 ttgagcatgt cagctatcat tacttcaatc tgatccttcc ggctgtgagg atacctatat 240
 ggcttgactt ttactgagcc aacaccttca accaatggga ttgaatgatt gcgaatthttg 300
 ctagggggta atcctgatgg cacatcaaat actgttctat aagtgtaaag tatcatggcc 360
 agttctagtt ccatatcaac cgggatatct aataattgat cctgaggacc atccaacctt 420
 gagta 425

<210> 7673
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 7673

taagaatatt ntccttttatt atatagattt tatgaatttt catttatata attntaatta 60
agttaacttc aaaagataag attgagaatc tccttaatta gttntgaaat tagataagat 120
ttataaaaga tgtaaattgg tttagtagat aaaattctag atttttgtaa gtgccttatt 180
aataattaat aattgattat ctaatcgata ataaatgaat ttatcactgt atgtgggcaa 240
tcaattacaa caaaaagaat ttttaattgat ttttttgagg gataatcaat tagtggagtt 300
ggcaattgat tgttcattct atattatccc aaaactagtt ntccataaat attatcaaag 360
agcacttaat caatcctaat tgtacattnt ataaatagat ntatcaatgt ttaac 415

<210> 7674
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7674

taatcagttc anaactaaga tattgttgaa ctggtaatct tttaacaggt cctgtaattg 60
attactagag agaaaatgaa catggccttt tgaaattntg aactggtgga ataacaacac 120
anatttattt gaattatgat atgtgtaatc gatgaccaga atactataat cgattaccag 180
caaagacatt ttagaaaaac tctgagaagt catgactctt tagaaatata actatgtaat 240
cgataaccaa aatcctgtaa ttgattatca gtgaaaaagt ttcaaaaaat gttttgaaaa 300
gacacatctc ttctaactgt ttttcaacag gcacaatgag cctatatata tgtgtgtctt 360
tacttcgaan aagagagaga gagagagatt ntctaagaga acttaattgt caaattctct 420

<210> 7675
<211> 399
<212> DNA
<213> Glycine max

<400> 7675

tgcatgctgc tgcttgcaac accacacctt attgtgtacc attttcacac cacgtgcata 60
gctctaacgc ctgatctcta ttctatttag ttgcacgagt gatctctgta gtcttattaa 120
ccccgggggtg tgggcgatgc atctttctag gactctttcc aagttgttga ggcatgacat 180

gaacgaatct ccaaatatag aaaaatcatc aataaatacc tctatgcatg ttaataccat 240
 gtcaaaaaaa gatggcattc atacaccttt ggaatgtgga tgggtgcattg aaaagtccaa 300
 ggggaattct ccgataggaa aaagactccg aatgggcaag tgaaggttgt tttctcttga 360
 tcctctcgat taataagaat ttgattatac cctgagtat 399

<210> 7676
 <211> 404
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7676

tattacgtgt tgatgattat atgtatatca attgttaata taaattagaa attaatagtt 60
 canataagaa aattaaattg aaggaaatta atatattaag attcaacgat aaatactttc 120
 aatgcacttt tagtttaatt atttattaac tctctttaat tgaaaataat atagttcgat 180
 ttaatatgta catgttttgt gccatgtaaa tattaatatt gtgtgatgtt tatatgattc 240
 atgagatgtg ataacatggt tcattgagat tataacattg tgattgaaaa taaatataaa 300
 tgtttgatta atacttgatg tgatattact tgtgttgga cttatgaatt gtgaattata 360
 caataattcg actgggtgtt actttgagaa aaatgtttat gtgc 404

<210> 7677
 <211> 400
 <212> DNA
 <213> Glycine max
 <400> 7677

agcttctggt gggacatctt gacttgctct caatctgaca ttcaccacag attctgcctt 60
 cttctattat cagattgcca atgcctctaa cagcaccttg gtcaatgatt atcttcatgc 120
 ctcttaagtg cacatgtcct aatctttgat gccatattct gactttatct tctttggagg 180
 atagacatgt ggaggagata ctggtttctt gacgtgctca taggtaacag ctgtactttg 240
 atctgctgcc cttcattaca acttgactgt tctcatttgc tccaagcatt ctgactttgc 300
 gatgttacat tcgtattctt cataagacat ctgactgatg ctgacctagt tcacataact 360
 tcacctcttc ctcattcact attcactttt taattatcaa 400

<210> 7678
 <211> 451
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7678

tggatatctaa tgagagtatg caagtttcat cctaagctct tcttgaaaag gatcgtaatg 60
 ttgagattgt gatagataag atgatatctt ctcttgcaac agttgttact cgagagcaag 120
 tattggatga ttctattagt gggaaaatag tttatattga ggaaggcact atccatttaa 180
 ttgaaaagta taatcagatt ctttctgaaa tttatcaact tgggcaatct ttctctgagg 240
 taggcttggg tactaacgag catgaatacg ggaacatact cgctgatgct cgtgggtgggt 300
 tactggagct caaaaaaaaaa gaaacagaat tgggtgaaaa actgggtcat ttataagatg 360
 agaatcagaa aatgggtgat gagcttgaca agggataggt gatgataagg acattaaata 420
 ctgaacttgg aaatctgana atagaactcg a 451

<210> 7679
 <211> 419
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7679

actttcgagc ctacgatat attacgggac tctttcaaac atccgagaaa aaagttatta 60
 tcgtttgaat ntgctcagag gttcaacatt caatttcgag cgtctcgata tggtatggga 120
 ctcaatcaga tatccgagta aaaagttatt gtcgtctgaa ttggctcaga gcttcaacat 180
 tcaatttcga gcgtctcgat atatgacggg actcaatcag acatccgagt aaaaagttat 240
 tgcgttttca attggctcag aggttcaaca ttcaatttcg agcgtctcgc tatattacgg 300
 gactcaatca gacatacgag taaaaagata ttgtcgcttg aatagggtca nagcttcaac 360
 attcaatttt gagggctcgc atatattacg ggactcaatc agacatccga gtaaaacgt 419

<210> 7680
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 7680

aaagacaatc tggacatttt tctttgaacc agaaaagga atgtggttgg attggagtgc 60
atgtangaga gtaagggatg ctgggtgacc atatcggttg tgccataatt tgatggatga 120
attggaacaa atgaaggagg cagatgggtt ggggtgcagtt ggggttaaact tgtacacatt 180
gtcttcattc aatccttgca gaagaagctc cctcgttcat aggtccttta ccttcattca 240
atccttgtag aagaagctcc ctcgttcata ggtcctttac ctcaaaatgc ctaaganaaa 300
attcaatgga aactatgtta gtttggcaca gatgatagac ggatattcat atttgggtga 360
catttggaaac ataaagaata tttganagcc ttaaaggaga accattagtg ggaatattgg 420
tggagccaat ataagtaata ngaagttgat tacc 454

<210> 7681
<211> 230
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7681

ccgtgtcaga gacgccagtg gcttcagtaa tgagaaagcc tccgctggaa gttctctggg 60
agtattagag gatggcatgg ngttgtggga cgttgtcgta agacctctgt ctggtcagcg 120
gtgccataac aactctgcaa gcaaaattaa tcagcaattg aaatctatgg aaataggaag 180
gaaaaaaaga gatagagata cctatgggac agatagaatg tgcccatctt 230

<210> 7682
<211> 254
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7682

gctctcgata tattcanatg gtettaatct ttcacatgaa tgtccgattc nggcgcataa 60
tatgtcgaga agctcgaaat tgaacaacgg aagctcttga gaanatcana tggtcataac 120
ttttcacacg gatgtccgat tcaggcttat aatatatcga tacgctcgaa attaaacatc 180
agaaactctc gcgaaattta catggtcata actnttcaca cggatgtcca attcaggcgc 240
ataatatgtc gaga 254

<210> 7683
 <211> 278
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7683

gctgtacctg agctctatct caattttggg ggcattctga ggtcttattt tanggtcact 60
 gacccattct accactacaa acctaagaaa ctatatatct acacanaagg acatttctct 120
 atatttgcat agaggggtgn ttctaagga ctaanagaac tngcctgaga tgcctaagt 180
 gatcatctan gtcctaatag tacactanaa tatcatcaaa atanacaact acaaatctac 240
 ctatganatc ccttaagaac atgatgcata agcctcat 278

<210> 7684
 <211> 344
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7684

aaatattttt attatggaga aatagaaatc tattaactaa tatgattatt tattgacttt 60
 attatcaaac ttagtatagt tctacattac aatattattt aatattacac atatttttta 120
 ttgttcatta tacacgcatt taatcattta ttctatattt ggataagtct caaacgaata 180
 nagtcattgt taaaacaaac aatagtgtaa ttaactaat ggacaaaaaa ttaatagact 240
 aattattttt gtttgagaga tttttgcgga gtattttatt atttgagtgc tttcattagt 300
 cttaatatct tatatttaaa agcactatat aaattttggg aata 344

<210> 7685
 <211> 218
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7685

gtctaaacca ttaaagtatg tggtcttggg ggtgacacc anacctatag taatcagtaa 60
 tgcactaaca tangaagaag agaatagggt ggtggacatc ctgaggaagc ataaggaagc 120

aatcagatgg catatatctg acttgaaggg aatcagtcct tcgtactgca tgcataagat 180
aatgatagag gacgaataca agcctattcg acaacctc 218

<210> 7686
<211> 243
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7686

atgataagag caaagaaata atannattgg anatctcttt tgtagctca ctanaagggtg 60
ataacttanaa gcaaactn ttcaagtntc anaactgtat ataaagaatg tataacttaca 120
gtattctntg tcaatacatt aagtgaatcc tcatgaaacc acaatcgact gcgcttccca 180
ggtttctttg ttgaactttc acgaattatc tctcttccca tgtctcgtag taatggatgc 240
att 243

<210> 7687
<211> 248
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7687

actttcatat tcttcaccaa tccagccaat gtatgatata tgcctcaat ntcaggatgt 60
gacanacaac caacaagata ttcatgtaca gctccatcca caataatcca actactnct 120
ggttgcttct tgacccctt ctctttcatt tccagccgca gctccgagac atcactccat 180
tgattatcag atgcaagtgc attagccaac ataacatagc ctgcagaatt atctgggtct 240
acttcaac 248

<210> 7688
<211> 321
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7688

tctgaattct gttctatgct cagaatcaga ggttcacgt gcttctgagg atgtgtnggt 60
ccagaaaacc aggcagccag ggacaaagag acaagtcgaa gttgatntag atttcacaag 120

ttttgtcgag aaaaaaatat ccgatatctt ttctcctccc aggaatccca natcattaca 180
gctacctgag aatataccac ctagcattac anaacttcca gaggactgcc actatgaacc 240
agaggatctt gtcaatntat nntctttgcc ttatgtaaag ggtatttatt anagtataga 300
aatttagttc anatatctct a 321

<210> 7689
<211> 254
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7689

tctgtacctg tagcaagggg tttgtggttg tgctcctctg ctgaccacca tacagacctt 60
ggcccttcca tgcagcaacc tggagcaatn gagcagcctg aagcttatgc tgcanatatt 120
tacaatagac ctctcaacc tcangcagca aatcaaccac agcagaacaa ttatgacctt 180
tccagcaaca gatacaacc tggatggagg aatcaccta acctcagatg gtccagccct 240
cagcaacaac aata 254

<210> 7690
<211> 365
<212> DNA
<213> Glycine max
<400> 7690

agctttaaca accatatgat gaaacacttt gttatcttgt actggtttgg ttgtgtttgg 60
cactccttaa attatgacaa atgatgtagt tccatgtaga gctttaggc cttggacctt 120
cttcattaat ggagtccttt tcttctagaa gatcaatggc agtggaatgg agaaggagga 180
aaggtcattg aagatgccac ttcaaggaga agatgagtca agaacaagtt caccaccata 240
ggaaaccatg gataagagct tgaaggtagg agaagatgag tagagggaga gggagagagg 300
gggccacaaa atttatgcct catatgaggt ctgaaaattg aaggataatt tcctcaatga 360
tcaaa 365

<210> 7691
<211> 482
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7691

gaatgcacta ttcaatggag ttgacaagaa catcttctta cttatcaaca cttgcacagt 60
ggccaaagat gcatgggaga tcttgaaaat cactcatgaa ggaacctcca aagtgaagat 120
ttccagattg caactcttgg ctacaaaatt cgaaaatctg aagatgaagg aggaagagtg 180
tattcatgac ttccacatga acattcttga gattgccaat gcctgcactg ccttgggaga 240
gaggataaca gatgaaaagc tgggtgagaaa gatcctcaga tccttgccta agagatttga 300
catgaaagtc actgcaatag aggaggccca agacatttgc aacatgagag tagatgaact 360
cattggttct cttcaaacct ttgagctang actctcgggt agggctgaca agaagagcaa 420
gaatatggct ttcgtgtcca atgatgaatg agaagaagat gagtatgacc tgtatactga 480
tg 482

<210> 7692

<211> 391

<212> DNA

<213> Glycine max

<400> 7692

agcttaaaaa ttcaattacg agcctctctt atattacggg actcaatcaa acatccgaga 60
aaaaagttat tgcgcttga atttctcag aggttcaaca ttcaatttcg atcgtctcga 120
tatattacgg gactcaatca gatatctgag taaaacgtta ttgctgcttg aattggctca 180
taggttcaac attcaatttc gagcgtctcg ctatattacg ggactcaatc agacatccga 240
gtaaaaagtt attgccaatt gaattgactc agggcttcta catttaattt cgagggtctc 300
gatatattac gggaatcaat cagacatccg cgtaaaaagt tattgtcgtt tgagggtggct 360
cacaagttca acattcaatt tccagcgtgt t 391

<210> 7693

<211> 294

<212> DNA

<213> Glycine max

<400> 7693

tctctagagg aagtatggac acttcattat tcagaaagtt tgggaaagga gatctgttga 60

ttgtacaaat atatgtagaa gacataatct ttggcgctac cataaaaaatg atgtgcaagg 120
 gttttttctca gctaaataaa agtgcatatg aaatgagctt gtacggagag ctaaagttct 180
 ttctgggagc ttataatcat gctaaaagag gatgtcatat tctttcatta agagaaatat 240
 acaaagcccc ttcttaagag gtttcgaatg gatgaagcta aacatatggc tact 294

<210> 7694
 <211> 565
 <212> DNA
 <213> Glycine max

<400> 7694

ctgcagcttt acttccagga atttctcttg ttaattcctt catctgactt agcatcaaac 60
 tttcctaagt tttcttttcc attgtttaat acaaagcatt tgcaaccaa aacatgaagg 120
 tgtgaaatgt tatgttttct accattaaac agttcatatg gagttttctt taaaatgggt 180
 cttattaaag ccctattcat gatataacat gtagtattaa cagcttcagc ccaaaaatat 240
 tttggaagag gagtgtcatt taataagggt ctagcaattt cttccaaaga tctatttttc 300
 ctttcaacaa ctccattttg ttgagggggt ctaggtgcaa aaaagttatg ttcaatgtca 360
 tgcttatcac aaaatagttc aaattcttta ttttcaaatt caccatga tcaactctaa 420
 tagatataat tttgagattt ttcttggtgt gaatcatttt ttcaagattc ctaaagctt 480
 caaaagcatc attcttatga gtgataaata gtgtccaagt gtatctagaa tattccatca 540
 ctataacaag ggcgtagtaa ctttc 565

<210> 7695
 <211> 446
 <212> DNA
 <213> Glycine max

<400> 7695

agctgtacct atcttttttac tatctttttt ttatatccct aaaaaagtgg tgcaaaagat 60
 tgtattcatt cagagaaatt tcctttgggg aggtcatcat gaggccaaca agattccttg 120
 ggtgaagtgg gacacagttt gcctttctaa aaataaaggg ggccttggga ttaaagattt 180
 gtctaaattt aatgaggctc tacttgacaa atgggggagg gagctggcta ataattataa 240
 ccaactttgg gcaagaatct taatctcaa atatggtggc tggaaggagt tgatctctgg 300

tggaagagc aaattttcct ctcataggtg gcaagaccta aaggttgtct ttcagcagca 360
gcctcaagtg gaggggggct gtggtcccaa aattaatttt ggaggataag ggctggggga 420
taattaactc tccagccaaa attcta 446

<210> 7696
<211> 366
<212> DNA
<213> Glycine max

<400> 7696

agcttcttca gaaacgtggc atttgtgtc aatacacaat gtccgttaca ccacaacaaa 60
atggtgtatt agaaaggcgt aatagaactt taatggatat gattaggagt atgttaatca 120
atgtgacttt acctgtatct ttgtggatgt atgccttgaa aactgccatg tatttgttga 180
atagggttcc tagtaaggca gttccaaaga cacctttgaa ctttggacaa ataggacacc 240
tagtataagg cacctgcatg tttgggggtt tcaagcaaaa ataaagattt ataatccgca 300
agaaagaaaa ttggatgcaa gaacaatcag tggatatttc attggtgtcg caacatgccc 360
ttttgc 366

<210> 7697
<211> 498
<212> DNA
<213> Glycine max

<400> 7697

tactcacgct tctgaatagg acctccgtga gaaaggttat gaccattttt ttttctcgag 60
agctttcggt gttcaatttc gtgcagctcg atatgtgata caccagaatc ggacattcga 120
gtgaaaagtt atgaccatat gaattttctc atagcttccg ttgttcaatt tcgtgcatgt 180
cgatatgtga agcacctgaa tcggacatcc gagttaaaac ttatgaccat attaatttcc 240
cgagagcctc cgttgttcaa tttctagcgt ctcgatatat taagcgctg aataggacct 300
ccgtgtgaaa agttatgacc atttgaattt ctcaagagct tccgttggtc gatttcgagc 360
atctcgatat gtgatacacc agaatcggac atccgagtga aaacgtatga ccatctgtat 420
atcttcatag cttccgttgt gaatttcgtg catctcgata tgagaagcgc ctgaattgga 480
catccgagtg aaaagtta 498

<210> 7698
 <211> 503
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7698

agcttgtagt ttagacctcg atcggtatgt ttctgttcga cgccgactgt cttttttttc 60
 gatcaatatt ggtgaataat atttttttgc cgaggtgggc taatgttttc ctggccgaat 120
 aaatgggaac atgccagttt cggccgaaac gaaacatcgg ttgagctcgc acgaaaaaac 180
 ctagccgact tacattgtaa gtttttttatg caacaccgaa aaaaacaaaaa tttcccctgc 240
 cgtaagaaaa aacattatcg gccagcgagc gcgggacttg aaattcaagc tccaaaaact 300
 aaccaaggc aacaaggggg ttgaggagta tttcaaggaa atggatgtgc tcatgattca 360
 agcaaatatt gaagaagatg aggaggtaac tatggctcga tttcttaatg ggttgactaa 420
 tgatatccgt gatattgttg agctgcacga gtttggttga atggatgatt tgcttcacaa 480
 agcaatccaa gttgagcaac aat 503

<210> 7699
 <211> 446
 <212> DNA
 <213> Glycine max
 <400> 7699

tcgattacac acatacagtt atcgattacc agtatttctt tttcaaaaaa tattctcaac 60
 agtcacatct ttttatgtgg ttcttgaatg gctatcaaag gcctatatat atatgtgact 120
 tgagacacga attttataag agtttttggg gaacaaaaag gtcttattct attaaaaagc 180
 aaatcgtgtt atcctcttac aaattccttg gccgaattac atgtgattca ataaggaatt 240
 atttgagtgc tcaaattgtt cagactatct ctttcaagag agatttcttc ttttcttctt 300
 cttcattctg aaaagggatt aagagaccga aggtctcctg ttgcgaaaga attcttcaca 360
 caaaggaagg gttgtccttg tgtgttttga acttggaaga ggaatttaca tgatagtggg 420
 acttttaate gggatgcttg gggact 446

<210> 7700

<211> 220
 <212> DNA
 <213> Glycine max

<400> 7700

tgagtgacta aggggggtcc acggatggcg gagttcctac ttgatccaac gatggcaaaa 60
 atgatggtgg cttcagaaaa ttacaagcgc tcatatgata ttatttctat ggctgctatg 120
 atctactgtt ggaaactcaa tattttactg cccaaaagat gaacatgtac atgccgacta 180
 cgcatggatg ctttttcaca ctggaaatgt tcgagaccat 220

<210> 7701
 <211> 504
 <212> DNA
 <213> Glycine max

<400> 7701

agctttgatc tgcctctata ttttcaatct tttcatcctc cctccagata atgagtttct 60
 ggtggagagt agatggcaca gcccgaactc catggatcca ttccttctct aatagcaagt 120
 taaaattagc cttggactgt atcaccagga atagagttgg tcgaactata ctgcctacaa 180
 caacatctac ttgaatggct cccaaagaat agccagtttt gccctcataa ttcgaaagca 240
 caatgttggtg ggcagataga tcagtgtcat gtttcccaat cttgtagagc atagatcgag 300
 gcattaagtt aacagccgct cctccatcta tgagcacttt gttgattcca acatttctca 360
 cttttgccct gatgaaaaga ggggttgagat gacttttcat tcgaaaatct ggcttttcga 420
 aaaggcta atgtcttccac acagcattgg tctaacatag agcatactgg ctttgggtaa 480
 gcatataaaa tgatcaacct ccct 504

<210> 7702
 <211> 435
 <212> DNA
 <213> Glycine max

<400> 7702

agcttgctga ccattgacag attactttta ttgaagcatt caagtggaca tcagaggcag 60
 agacaacatt tgttccattg cagaaagtca tgacttcagc ccccggtgta gctcttctca 120
 atttcgagct gcccttcatt ctggaaactg atgcttccga cactgggtatt ggagcagtat 180

tacctcaaaa tggccaccca atagcatttt tctccaagaa acttgcacct agagtgc aaa 240
 agaaatctgc ctactttaga gagatgtag caattgctga agctatagct aagtttagac 300
 actacttgct gggacacaaa tttattatca gaactgatca aaaaagcttg agatcattga 360
 tggaaccacc cctacagaca cctgaacaac aagagtgggt acacagggtt ttgggatatg 420
 atttgtgatt gatac 435

<210> 7703
 <211> 389
 <212> DNA
 <213> Glycine max

<400> 7703

agcttcaggc tattcaattg cttcagtttg ctttttctta atggcaaagg tctgtgtggt 60
 ggtcggcaga agagcacaag aaaatgataa tcttcccaa gaatggaaaa cttcaagaaa 120
 tcatcctctt gacaatatca tcggtgatat ctcaaagggt gtaacaacta gacactctct 180
 caaagattta tgcaataata tggcatttgt ttcattaata gaacctaaaa actttaagga 240
 agctattata gatgaccatt ggatagtagc tatgcaagaa gaattaaatc aatttgaaag 300
 aaatgatgta tgggaattaa tagaaaaacc tttagattat ccaatcatag gaactaagtg 360
 ggttttttaga aataaaaattg gatgaaaat 389

<210> 7704
 <211> 552
 <212> DNA
 <213> Glycine max

<400> 7704

agcttgatgc ctgtacaatc ttatactttt atttctaggc cttgttcagt ttgatgctgt 60
 gaggacactg gacaccaatt ttcttgtatg tttcttaggg cctgttttagt ttaaggaaat 120
 gattttgttt tcattagtaa ttaattacaa aaaacaggaa ataaagtga aataaagtga 180
 cacttgtagt tatttgtgaa aacagaaaaat gagataaaaa catttcttga gaccaaacag 240
 gcccttagaa taagcataca tcttaaacta gattatcttg tcttacatga attaatatgg 300
 tcttgcagggt ttacattat tccttggatt cctaattgat cgtaccacc attatcttca 360
 aaagcttatt aatttaagga gtaatgcggg agcttcaaaa gaagaattgg aaaaccttaa 420

aaaagaaact gtccaactta aagaaaagga tgagaaagca tccaaggaga ttaaacagct 480
aaaggaagaa ctttcacatc tgtccaaaag tttggaaaag ataaaattgg gatctgaaga 540
gaaagataag aa 552

<210> 7705
<211> 460
<212> DNA
<213> Glycine max

<400> 7705

tagttggaca tctgttgagt atgtgaacag cagtgtagac tgcttcagcc cagaatgtgt 60
taggtagccc cttctccttg agcatcgatc tagccatttc cataattgag caattctttc 120
tctctgacac ttcattttgt tgaggaaaat atgtgactat aagttgtcgc tcaatgcctt 180
catcctcaca aaatctttca aactcgcgag aggtgtactc tttgccgaga tcaattctta 240
atacttttat ccgttatcca ctttgatctt ccgcagggcc ttgaactttt tgaatactcc 300
aaagacctct aatttttctt ttatagaata taccctgtc attctacaga actcatcaat 360
gaagagtatg aagtcctgtg tgttctcatg cgatggcata ctcatgggc cataaacgga 420
cgtatgtatc agcttcaata gatctttcgc tcttcatgct 460

<210> 7706
<211> 325
<212> DNA
<213> Glycine max

<400> 7706

atactcacgc tctactatgc agagaatatc caaggaaaat accttcatct ttcttatcat 60
caaattttcc taagttatct tttccattat tcaatacaaa acatttaca ccaaagatat 120
gaagatgtga gatatttggg tttctgcat tgaacaattc atatggagtt ttctttaaga 180
tggttcttat taaagcccta tttaaaatgt agcatgcagt gttacggct tcagcccaaa 240
aatattttgg aagaggtgta tcatttaata aagttctagc aatctcttcc aaagatctat 300
tttctcttc aacaacacca ttttg 325

<210> 7707
<211> 299
<212> DNA

<213> Glycine max

<400> 7707

ttttttttcc attacccttc taaaaagggtg gggaaccaac cccccaagga gaaataagtg 60
caagggaaga gtaatagacc agaccaaccc acacaaatga aatggggcct ccgcaacaag 120
tcatccataa tatcaaataa atcatcttca tcattgggga atttaccaag agccataggc 180
atagggagtc ttctattcaa ctacttcaac catttcccaa cacctcaaca ttttcatagt 240
tgctcaagtt tccccaaaaa ggctccatac tcaatgcctg gataggaaaa taagaaatt 299

<210> 7708

<211> 344

<212> DNA

<213> Glycine max

<400> 7708

tgccgcaaat gcaaacggca ataacgtttt actcggatgt tcttttgagt cacgtaatac 60
atcgaaacgc tcgaaattga aaacagaagc tctgtgcaaa ttcaaacgac aatacatttt 120
aactcggatg tccgattgag tcccgtataa tatcaagaca ctcgaaattg agaataaaaag 180
ctctgaacaa attcaaacga caataacttt ttactcggat gtccgattgg gtcccgtaaa 240
attatctaga cactcgaatt tgagaatgga agagctgatg caaattcaaa cgacaattac 300
tttttactcg gaatgaccga tggagtcccg agcgcttgat atat 344

<210> 7709

<211> 413

<212> DNA

<213> Glycine max

<400> 7709

agctttaact cggatgtccg attcggtttc ttttatatct agacacttga tattgaataa 60
cagaagctct cgagaaattc caatggatcat aactttttcac acggatgtcc gattcgggag 120
cataatatgt cgagacgctc gaaattgaac aacggaagct ctcgagaaat tccaatggtc 180
ataacttttg actcggagga ccgattcatg cgcataatat atcgagacgc tcgaaattga 240
acaacggagg ctcccgagaa attcaaattg tcataacttt taaactcaga ggtccgattc 300
aggcgcataa tatatcgaga cgctcgaaat tgaacaacgc aagctctcta aaaattcaaa 360

tggtcataac ttttcacttg gaggcgccat tcaagcgcat cttatatcga gac

413

<210> 7710
<211> 423
<212> DNA
<213> Glycine max

<400> 7710

tgaagaaaa atggttaaaa gccaaacttc aatgctttta ttttcctatt tcctttctaa 60
attggtgttg aaccaacccc ccaaggagaa ataggtgcaa gggaagagta atagaccaga 120
ccaaccaca aaaatgaaat ggtccctccg caacaagtca tccataatat caaataaatc 180
attttcatca ttggtaaatt taccaagagc tatagtcata gtgattcttc tattcaacta 240
cttcaacat ttcccaacac ctcaacattt tcatagttgc tcagggtttct catagatagc 300
ttctatactt taatgcttgt ataggaaagt aagatattga agtttttggg ctttatgtgg 360
aatactctgt catgggttat ggaagctgct gctatcatgg ccataggcat gacacatggc 420
aca 423

<210> 7711
<211> 328
<212> DNA
<213> Glycine max

<400> 7711

gacactatat aatactcccg cttttagaaa atgtcgatgc cgagtgtgta ctatattttt 60
tttttgtagc agttgtacga aacctgtgtc gcactcaaat tcccgtatgc tggaaagtca 120
tttatggtac aaaatagcat tgcgcgcaac ttgaatgttt catttcgata cccatcaaac 180
atgaaaaccc ccttgtaaca caacttgctc gagtctttta tcaagggact gagataagca 240
tcgatgtcat ttcttgggtg tcttgggctt gatatcatga tataacaacat tatgtatttt 300
cgcttcatgc acaatcaaag atgcaagt 328

<210> 7712
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7712

gacccgcacg catgcaagct tattgaaatc tagaggaact tcttaatgnn gttgtcaaca 60
aacacttcaa aaagtgcctg gattacctg gaaagagtat gctcacccaa agaaaaaggt 120
ggccttggga ttaaaaatct ctacctttt aatataagcc tcttatctaa atggaggcgg 180
agatttctcc aataccactt tgtagatagg tcccctctta ttacattcag atatggttgt 240
tctttctctg atctatccca tctggccac aaaattgggt tgcttctaac atgattcgca 300
atgtcggcga tggctcccaa atgaaattct ggtatgctct ttgggttggt gactcatgct 360
tctcacactt ggtctctcga ttgtctcaga gagtgcacg gctttcttgt acagt 415

<210> 7713
<211> 293
<212> DNA
<213> Glycine max

<400> 7713

cggattgata cagaccact aatgggtgat ctcttcctaa tacaactcga aaggggtcat 60
taccaaact tccttaacaa aaggagcga ccaaaaatga gcccaacga gcattcaaac 120
ccaattttgt ggatggccaa atacaacaca cttcaatac atgtgtaatg gcttattaag 180
atactcagac tgcccatccg atagcggatg agaagaagac ctcatggaca atattgtgcc 240
ctgagataca aataaatgat gaaaaaatga actaatgagg actctgtata tat 293

<210> 7714
<211> 422
<212> DNA
<213> Glycine max

<400> 7714

gtatgactat tgatgccgat tctgtttttt tttgcagtgc atcagacaac aatcccatc 60
tagcatccat gccttacttt ggagtgattg aacaaatctg ggagcttgat tatattgaat 120
ttagagtgcc tatgtttaag tgtaagtggg tcaatgcaa tacgggtgta cgccaagatg 180
aattgggatt taccttagta gacctcaata aggtggctta catggatgaa cctttcatta 240
tggccaaca agcaagacag gtgttttaca tcgaagatcc ttgcgattca tgatattcgt 300
tggttctaca aggaagacca agtgggttaa tgacacacat gatggttcca tgcttgacat 360
ttgtgagaca ccaccttttt caacaagaat gccttatatt aatgagttac actttgttga 420

<210> 7715
 <211> 534
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7715

ttcctctccc aggaagacaa tttgtgnttg tctgacattc ctacttgggg cttatggtat 60
 tactaccctt ctatgcagtt gttgggacac atttttatat gaagttgaca aaattaagaa 120
 tgaatgagtt gaataatttc aggggcttga tctgcatatt tctgaaattg agcaattgtg 180
 cgcaaaattc ccatcaacaa ttgtattgct tgatcacttg ggatttcctc atgaactttt 240
 atatcaagga agcaaagcat gcataaaatt ttcattaatt acatttttgc tatacagctg 300
 attctttttt ttaatcagac agcaaacata aaattcacag atttgtaact cttgtacatg 360
 cttattcttt ttttactgta aagaagccat gcattcttatt agcaatgaga tctctttgcc 420
 tttatcagat ntagagtgga tcatggggag gacagctaca caactctttc aaaaccaatt 480
 gactccggtc aagagttgag agccgggatg ctgtttgatt gtattaaaag tttt 534

<210> 7716
 <211> 643
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7716

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 ttaccctcgg aagcaaaaaa gaaaagaagg aaaatttcca atcaaagaga aagcaaaaag 120
 aaaagaagga aaattttcaa tcaaagagaa agcaaaaaga aaagaaagaa aattcccgat 180
 caaagaatgg gagaaagtaa aaaaaggaag aagaagaagg aaagaaagct cctgatcaag 240
 gatcgaaaga aaacagaaga aatgtgcaga aagggtctttg gaccggacaa tatctgaaca 300
 atacagaatt gtcaccaaatt gaacgaaaaa aaggaaagga aaccatgacc taaagtgggt 360
 ttctcccttt aattgccaac caagatattg tgtgctagcg acttttttgc cccgcactan 420
 accaaaacag aaaaggaaaa aagccagaaa aaggggccaaa aaaagaagag gtcaaaagcc 480

aaaaaaccca ccaaaagaac ccgtttccaa gggaagtcct attgatccat gatcacgcat 540
 gtaatctttg atttgatagg aaatgatttg caaatccagt catgacatat ctatgggtcg 600
 gaatttgga acaacactaa cctgggag atttgtaccc ttt 643

<210> 7717
 <211> 539
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7717

cgccgcatgc aagcttggtc ccaccagtac taagatagtc attataatca ttngcccacc 60
 ctttgtgtcc agttttcttc ttaattgatc cggaacatgc ttgaagcaca agcatccaaa 120
 cacccttagg tgcttgagac aaggcttact tccactccaa gtttcttcag gtgtcacatt 180
 ctctagcctc tttgttgaa atctgttgag cagataggct gctgttgaca ctgcctcacc 240
 ccaaaactcc tttggcaagt gaaaattcct tagcatacac ctggatcatgt tgactatggt 300
 tctattgagt atctcaaata caccattgtg gtgtgggtgca tatggagggtg tgatcttatg 360
 aatattaccc tcctcctcat anaatttctt gaatacatgt gatgtgtatt cactaccacc 420
 atctgatctg agtctttgaa tcctatttct actttgtgtg actcccatca ccttgaatct 480
 tttggaggag agaaacactt cactcttctt gcttaacaag tagatccaca cccttcttg 539

<210> 7718
 <211> 550
 <212> DNA
 <213> Glycine max
 <400> 7718

agcttcttag tttcagatga tgcagattgt tttatctac ctcatgcact cctctaataga 60
 ctatggcatc atttctggca ctaaactgct gggagttgga ggccatcttc tcaattaaat 120
 ttttggttc agcaggagtc atgtctccaa gggctccacc actggcagca tctatcatac 180
 ttctctccat attactgagt ccttcataaa aatattggag aagaagctgt tctgaaatct 240
 gatgggtggg gcaactggca catagtttct taaatctctc ccagtactca tacaggctct 300
 ctccactgag ttgtctaata cctgagatat ccttctgat ggctgtgggtc ctggaagcag 360

ggaaaatttt ttctaagaat actctcttaa ggtcatccca gctcgtgatg gaccttggag 420
 caaggtaata cagccagtcc tttgccactc cctctaata atgaggaaaa gccttcagaa 480
 atatgtgatc ctcttggaca tctggggatt tcatggtaga gcagacaatg tgaaattctt 540
 tcaaattgtt 550

<210> 7719
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 7719

atgtgttgag cccacagagt catgtcttct ttttactggg cgacttgggt aaagtccaat 60
 gacttgatga cacatatgtt agggatatcaa tatacaacta ccaattattt cgtcaggtgg 120
 atgagcctgg ttggaaaagt gaagaggtga tttggggaat gttagtagca aaggcaatgg 180
 agaaggggat tgctcaaaat taagaggaca attagagaga ccacattgtt gtgagaaaga 240
 gccactatt attaattctta tgcccccccc ttacaacatg cagtctgcaa attgctataa 300
 aggaggggta ttaacatccg ttacacaaga caaatcaaat gcaatgccac cttccaaatg 360
 acttatgatt caactagcac caacaccacc aatttttagca tgcctgtaaa tttcacgttt 420
 g 421

<210> 7720
 <211> 460
 <212> DNA
 <213> Glycine max

<400> 7720

cgacctttaa tactaccttt cattctttgg aagttcatat ttgattggct cttcttttga 60
 ctttcattgc ttcttttctt ttttctttaa gaatcttgct cataaatatg catttgttat 120
 aaagattctg caatatcatc tagaatatcc tttcttggag gaatagcatt agactcatca 180
 aaggaaacat gaatagattc ttcaatagtc atagttctct tatatattct ataagcttta 240
 ctatgcaagg aataaccaag gaaaattcat tcatctgact tagcatcaaa ctttcctaag 300
 ttttcttttc cattgtttta tacaagcat ttgcaggcaa aaacatgaag gtgtgaaatg 360
 ttaggttttc taccattaaa tagttcatat ggagttttct ttaaaatggg tcttgtttaa 420

<210> 7721
 <211> 540
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7721

agcttattgt tagacattat ttttttttat gaaatncatt tttaaacatt gatttcttat 60
 tttattatta aaatgggtta atcctttgac tttacagata gttgaattct catgtaattg 120
 tattcaatta tcatatatat caaataagaa agaaagatgt gtaagatttc ctttatatct 180
 tcaatatgga aaagatatat aaatatgggt tcattatgag tacataagca tatttaagaa 240
 ttattaaatt aataattaaa atatattaaa gtgggagagt catcaaacca tctgcataaa 300
 gctgtatcac caaaagattt tcttctaacg gattttgatc tattttgttg tctcttttct 360
 gctaaaaatg gttcctcttt catatttcta ccctaaacat tntatatcac accatccctc 420
 aattttctaa tgctatggag taaaaattat cctgtggttt tttagagaga aaacanaatt 480
 atcanataga tgtaaatttt aatagaattc aattccaggg ggggagctgc tcgagcacta 540

<210> 7722
 <211> 559
 <212> DNA
 <213> Glycine max
 <400> 7722

atgagaaaaa cttaatgcat tttatattct tattttcttc ttctataaat acttattaag 60
 aagtttataa aaaaatagtc tttaactaat ttatatttgt gatattcgaa agatgcttat 120
 actttcttgc tttattacta catgtaatta attcgtaaaa tttggtcgat gaactaaccc 180
 ataatatata tttgtcgtct cttttttaat taatttcaca ttaattttgt ttttgtatga 240
 gataaataaa taaaagtgtg tgacatactc ataattgtaa atcagatgga tctatcaaac 300
 taaacaaagt tattttgagc tttaatcgaa ttaagttcga gctaaaaatt aagtaagatg 360
 catatcaaac tcaagtcgat ctttcaacca aatcaattct tatatagttg acttggaactc 420
 atttctacca tcaacattaa tctagaatgt agcatttaat cattttatta ttcttgggga 480
 attaatttat tttatatcct ttttttttta aaaaatataa taattcataa caaataactt 540

ttaaatattt acaaataaa

559

<210> 7723
<211> 437
<212> DNA
<213> Glycine max

<400> 7723

gcatgccttt agaaactaaa ttggcgagat atgttttttt gtcggggatt ggaaaaacgg 60
tggaactgt catttgaaa cactaccgga gcttgatct tcattggtgc ctaatgacaa 120
ctggtcacaa ttaaaaatag ccaatgctat cttatctgct gcacacacaa atatttctga 180
aacaacaag ttcattggtgt taaatgtaac ccagatgacc gctcagagaa aagatgggca 240
ttcatctatc tattatctcg gtcgtagtgc gggccatgtg catcatcatc gccaaagattg 300
cagccattgg tgtctacctg gtgtacctga tacgtggaat gagctgcttt atgcactgtt 360
gcttaaacat gaaactgctc acagagggga actgtaacac gcatcaatat gatttgctga 420
gaaattgtta aattctg 437

<210> 7724
<211> 610
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7724

tttgccgatt tagttttcac ggacgaacgg atcttatatt tatgaaaaga ggcaaattta 60
atcatcttgc ttggacgaat gagaaaactg gggcaaatga agagggtag aatgaggag 120
agacccatgt tgtgactgcc attcctatac ggccaagttt cccagtagcc caacaatgctc 180
attactcagc caataacaac ccttctcctt acctaccacc cagttatcca caaaggctcat 240
ccctaagtca accacaaaac ccaccttcca cacaaccaat gctaaacacc acctttagca 300
cgaaccaaag caccaaccaa ggaaggaatt ttgcagcaaa aagcctgtag aattcacct 360
gttgacctt gtggcctcaa taatcttaag agggatatgc ttagaatgca gaagaagcaa 420
caataatcaa ttaataatg ttctataaac atgcaaggca aaattgattg caataacata 480
aatgagataa gggaagagag aatgcaaaca caantttata ctgggtcggc cactttccgt 540

gcctacatcc agtactcaag caacccactt gagatttcac tatctttgta aatccataca 600
aagtctgaac 610

<210> 7725
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7725

tagctttcga gaatntaaaa ttgtcataac ttttcactcg gatgtcttat tcaagcacat 60
catatatgga gacgcccga attgaacaac ggaagctctt gagaaattga aattgtcata 120
acttttctact cggatgtccg attcaggcac atcacatatc gagacgtca aaattgaaca 180
acggaagctc tcgagaaatt caaatgggtca taacttatca ctcgatgtc cgattcaggc 240
gcatcatata tcgagacgct cgaaattgaa caacggaagc tcctaagaaa tttaaattgt 300
cataaatttt cactcggatg tccgattcag gcgcattata tatcgagacg ctcaaaaatg 360
aaccatggaa gctctcgaga aattaaattg tcataacttt tcactcgg 408

<210> 7726
<211> 407
<212> DNA
<213> Glycine max

<400> 7726

agcttcccc atcaacgtta ggccctatat gtatcccat taccataaaa cagagattga 60
aaggcaaatt tcggccatgc tcgaggcaaa ttcatacaa cccagccaca gccattttc 120
ctccccaatt cttctcgtca agaacaaga tggctcatgg aggtgttgtg tggactatcg 180
cgcttgaat gctgtcacgg tcaaggaccg ttcccccattg ccgacaatcg atgaactttt 240
ggacgatctg gggcaggcgt cgtgcttctc caagctcgat ttgcgttaga gatttcatca 300
aatccgcatg gccgacgaag atattcataa aacggctttt tgaactcatc tgggccatta 360
tgagttccga gtcatgccgt ttggactcag taacgtgtcg tcgacat 407

<210> 7727
<211> 354
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7727

agcttcagtt atccatttcg agcgactttt tatatacagg actcaatcag acatgcgagt 60
aaaaatttac tgtcgtttga atttgctcag agctacaaca ttcaatttca agcgttccga 120
tatattacgg gacttaatca gacatccgag taaaaagtta ttgttggttg aatttgctca 180
gagcttcgat attccatttc gagcatctcg atatattacg ggactcaatc agacatccga 240
gtaaaaagnt attgtagttt gaatttgctc aacgcttcng tattccattt cgagcgtctc 300
gatatattac gggactcaat cagacatccg agtaaaagtt attgtcgttg aatt 354

<210> 7728
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7728

tttcatgcaa gctntgactt atccaatggc atggacactt taaaagacta aactctattt 60
tcaaaattgt actaactggg ttctctgtct caaggagtta tgccagggac caaaggtaca 120
ggtggcttcg gtttctttat tttatccacc aaaataactt gagtagttag aatgacacca 180
gcaacagaaa ctgcactttg aagagcacat cttgcaacac gactaggatc cgctactcca 240
gcattcaaaa gatcttcata cgtgcctgtc attgcattat atccagttct ccaatcatgt 300
gttctagtct tccggacaac aatgtctcca tcaactccgg cattagttgc aatngatttt 360
caggttcaag gagtgctgc 380

<210> 7729
<211> 362
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7729

tgtgatgaaa gcttttataa cttcttggtg ggaatatgaa ctctatcatg caaaattgcg 60
tggtcactgg cagccatatt ttcaattaag tccatggctt cttcaggtgt cttcatggaa 120
tgaagaaatt gcagcttttc cttctgcagt tttagactct gggaaatatt tttttagaaa 180

cttctcaaca acctcatccc aggtctttaa actattgccc ttgaatgaat gcaaccatct 240
 cttggcctcc cctgataaag aaaatgaaaa caggctgagc ctaatagcat cttcaggtag 300
 accgacaagc ttaacagtat tacaaatctc aatatacgtn gccaaagtgtg agtatggatc 360
 tt 362

<210> 7730
 <211> 330
 <212> DNA
 <213> Glycine max

<400> 7730

tagcagaaga acttcaatat accaatcatt atgtggacta ccgaccccaa agaatggaca 60
 tcacctgaaa ttggaaggtc ttggatctga acaaatgact atctttcaca ttttgattta 120
 aaaaagaaaa tcagaaacag aaagaaactt gtccttggat cacaagttga taattactgt 180
 ttcttgcagt gtgcgatagc acctatcaaa tgtgaactgt acttcatcag caatgaggaa 240
 gtgatcaaac ccactagcat atggcggttc aatgatcaat atacccttag taacacaaaag 300
 ggggtgataa ctatggcttt ttcattgtag 330

<210> 7731
 <211> 348
 <212> DNA
 <213> Glycine max

<400> 7731

accatagaac tctcaagctt tacgcggaca agaacagaag ggaagtcttc tatgaaatca 60
 atgattgggt attggtcaaa cttegacctt atcgacagtc cacggtgaga ggatctccgg 120
 cgagctccgg taagctgacc aaacgctact ttggtccctt tagagtcatt gaacgaattg 180
 ggatggctgc gtatgcctt gaactaccgc agggagctaa gatacattct gtcttcact 240
 gtccttgcct taagcctttt cgaggatccc cgacacagcc tgactctact tctctacctc 300
 cacaattcat tgatggacat cctagcacta ctctcttgc tctctca 348

<210> 7732
 <211> 326
 <212> DNA
 <213> Glycine max

<400> 7732

ttgtatggat aggaagctct gctgttagtt aaaagagttg acatcccttc caaattggaa 60
ggggtaaatt agttgagtaa ggacagggat gaattattac aggaactttg gaacaatctg 120
ctaaaggctc aggatcagat gaaaagatct gcaaacaagt ataggaggga gctagtcctg 180
caggaaggag attgactctt ttgaaacta caaccttata gaatgaagtc tccagcaaga 240
aagccgaagg agaagctgag tccacaattt tatggaccct acaaggtgat acaacgaatt 300
ggagaggtca cttataaact ggaact 326

<210> 7733

<211> 324

<212> DNA

<213> Glycine max

<400> 7733

ttgatgtttg tgttgaatgc attaaagggt aacagaccaa aagcaagaaa ttaggtgcat 60
atagagctac aaatgtcttg gaattgatac atacaaacat ttgtgggcca tttcatacac 120
cttcatggaa tggccaacaa tattttatat cattcataga cgattactcc atatatgcat 180
acttgtttct tatacatgaa aagtcataat ctctagatgt gttcaaaaca tttaaagttg 240
aagttaaaaa tcaactcaac aaaagaataa agtgtgtcag atctgaccgt ggtggtgaat 300
actatggcag atatgacgat ttag 324

<210> 7734

<211> 322

<212> DNA

<213> Glycine max

<400> 7734

tctattctga atttcgagtc gtctcgatat actataagac acaatcagac atccgagtaa 60
aaagttattg tcgtttcatt ttgcttagag tttctgttct gaatgtcgag catctcgata 120
tactacggga cacaatcaga catccgagta aaaagttatt gtcatttgaa tatgtcaga 180
ggttccgttt tcaaatacga gcgtctcgat atattacggg attcattcgg acatccgtgt 240
aaaaagttat tgcgttttga ttttgctcag agcttccgtt atcaaattcg agcgtgacga 300
tatattgcgg gattcattcg ga 322

<210> 7735
 <211> 275
 <212> DNA
 <213> Glycine max

 <400> 7735

 ggtgacaagt ggttgaaaat aacaatttag tgcccaactt gctccacaaa gtcctccaaa 60
 aatggccttag gaacttagag tccctatcac taacaatgct ccttggcaaa ccatggagtc 120
 tcacaatctc cttgaaaaac aaatcaggca catgggaagc atcatcaact tttttacgtg 180
 gaataaaatg agccatttta gaaaacctat caacaaccaa aaaaatggaa tctctaccat 240
 tgcttgTTTT tggcagcccc aaacaaaaat ccatg 275

<210> 7736
 <211> 333
 <212> DNA
 <213> Glycine max

 <400> 7736

 tctacagaag gttcgttcct aatttctcta caattgcatc acctttcaat gagctggtga 60
 agaagaatgt ggcatttacc tagggtgaaa aacaagagca agcctttgct ttgctcaaag 120
 aaaagcttac taaggcacct gttctagctc ttctgactt ttctaaaact tttgagctag 180
 aatgtgatgc ctctggagtg ggagttggag ctgtattgtt acaaggtggg caccctattg 240
 cttatttttag tgaaaaactt catagtgcc aacctcaacta cccacctat gataaagagc 300
 tttatgcctt aataagagcc ctccaaactt ggg 333

<210> 7737
 <211> 319
 <212> DNA
 <213> Glycine max

 <400> 7737

 tgtatttgat agatattgtg ttatgtgttt aaatctgtca tattccagga tgaagacata 60
 aaaaatgcaa ttgaagatgc tgggtttgaa gcagacatat tacctgaatc cagtacagtt 120
 gcacatgaaa ccctgggtggg acagttcaca attggaggta tgacatgtgc agcatgtgta 180
 aattctgttg aaggtatttt aagaaatctt acaggggtca aaagggctgt tgtagctttg 240

gctacttcat caggtgaagt tgaatatgat cccagtgtaa ttagtaaaga tgatatattc 300
aacgcaattg aagattctg 319

<210> 7738
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7738

agctttgaac atttcaatga aattcgnntt taaaaatacc ctcctttctc gcttcatttg 60
atgaagcacc tcttccaggg accgaaaatc gagggaagag gcgtaggctt caatgagggga 120
atagaaagac aaatcgccca atttgaaga acccatttgg gtacctgatt tgaagatttc 180
atatgaaggg tgggggttgt gggaagagga agaataagag gggagtgtaa ttagggtttg 240
ggagaaatag cgatggagag ttgttcgaag aacgtttgtg ggaaatgatg agtgcttttg 300
catgacatgg atcattcggg aaaaaaaaaa agtgggggtn tgaggtaatg ggcagtgtca 360
ctgactcagt gagttg 376

<210> 7739
<211> 322
<212> DNA
<213> Glycine max

<400> 7739

tagcactctt caagtcccca tgcttgacta aatcccttct atcatcactt ggcaaactca 60
tccaaaactc cccgtcattt cttccccac ctggcaaatt tgagccggct gcatcaatgg 120
tctctccgt ggacacgccc ttctgggtaca acaaggcccc attattgaaa aaccaatcaa 180
cagaagaagg caagtaagct tctcgggat gaaagaaaac agtaggcca tagtgctcta 240
taagtgcag tatttgggtg aggcgtggca ttgctggtag cacaggattt aggttcttca 300
agcacacaac aggtagctct tc 322

<210> 7740
<211> 319
<212> DNA
<213> Glycine max

<400> 7740

tctcgatata ttacgggact caatcgggtca tccgaggttaa aaataattgt cgtttgattt 60
 ttgtcagagc ttccattttc aattacgagc gtctcgatat cctccaggac ataattggac 120
 atccgagtga aaagttattg tcatttgaat ttgtcagag cttctgtttt caattacgag 180
 tgtctcgatt tattacagga ctcaatcggga catccgagtt aaaagttatt gtcgtttgat 240
 ttttctcaga gcttccgttt tcaattacta gcgtctcgat atcctacggg acacaatcgg 300
 acatccgagt caaaattta 319

<210> 7741
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7741

agctttaagc attttcaaac gacaataatt ttttaactcg atgtccgatt gagccctata 60
 atatatcgag acgctcaaaa ttgaaaacgg aagctctgag caaattttaa ggacaataaa 120
 tnttcactcg gatgtccgat tgtgtcctgt angatatcga gacgctcgta attgaaaacg 180
 gaagctctga gaaaaatcaa acgacaataa cttttaactc ggatgtccaa ttgagccctt 240
 taatatatcg agacgcttga aattgaaaac ggaagctcta tgaaatgtca aacgacaata 300
 acttttaatt cggatgtcta attgagtcct gtaatatatc gagacgctcg taattaaaaa 360
 ttgaagctct gagcaaattc aaacgacaat aac 393

<210> 7742
 <211> 321
 <212> DNA
 <213> Glycine max

<400> 7742

tctagatgag ttatgtcttc gaatcgggtct atcctgtgaa aagttatgac catttgaatt 60
 tctcgagtgc ttccgttggt taatttcaag cgtctcgata ttttatgtcc tcaaatacaga 120
 catcggagcg aaatgttatg accattcgaa ttgtcagaga gcttccgttt ttcaatttcg 180
 agcgtctaga tgagttatgt caccgaatca gacatctgag tgaaatgtta tgaccattcg 240
 aatttgcga gagcttccgt tgttcaattt cgagcgtcta gatgagttat gtcaccgaat 300

<210> 7743
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 7743

agcttgcaca ttgctgcttg atagaagatt agcaagacgg taaatcatgg tacttttgaca 60
 tcaagcggta cgtagagtat aaggagtatc cacagggggc ttctgacaat gacaagagga 120
 cattgtgaag gttggcaact agtttctttt taagcggagg tatectatac aaatgaaatc 180
 atgatatggg tttgctctga tgtgtagaca ctaaagaagc cgagcgaatg ctcatggagg 240
 tacatgaagg gtcctttggg atgcatgcta atgtgcatgt catggctagg atgattctaa 300
 gggcagacta tcactggctc accatggaaa atgactgttg catccatgtg aggaaatgcc 360
 acaagtg 367

<210> 7744
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 7744

actagaatgc ctggtttacc tggttaacca actggccatg aataaaaaat tttcacctgt 60
 cgccagactc tatggtttat gctcctctat tgaccaccac acagaccttt gcccttctgt 120
 gcaacaatct gaagcaattg aacaacctga agcttatgct gcaaacaatc acaatagacc 180
 tectcaacct cagcagcaaa atcagccaca acaaaacaat tatgacctct ccagcaacag 240
 gtacaatccc ggggtggagga atcatcccaa ccttagatgg tcgaatcctt cacaacaaca 300
 gcaacaacaa caatagcctt attttcaaaa tgctgctggc ccaagcagac atacgttcct 360
 ccaccaatcc agcagcaaca acaacaac 388

<210> 7745
 <211> 331
 <212> DNA
 <213> Glycine max

<400> 7745

tgtcagaaag ggaagcaagt taaaaactct ctttcaaagc aaaaacattg tttctacttc 60
 aaaacccctt gaactacttc acattgattt atttgggtccc tcaagaacta tgagtttagg 120
 tggaaattac tatgttttag taatagtaga ggattactca agattcactt ggactttggt 180
 tttgaaaacc aaaaatgaag cttttgatgc ttttcacaaa cttgccaagg tgattcaaaa 240
 tgaaaaaagg tctcaacatt gtttcaattg gaagtgatca tggaggtgaa tttcaaaaatg 300
 agttttttga aaacttttgt gaagaaaatg g 331

<210> 7746
 <211> 329
 <212> DNA
 <213> Glycine max

<400> 7746

tcggaattcc atttcgagca actcgatata ttacgagact caatcagaca tccgagtaaa 60
 aagttattgt cgtttgaatt tgctcagagc ttcagtattc gatttcgaga aactcgatat 120
 attacaggac taaatcagac atccgagtaa aaaattattg tcgtttgaat ttgctcagag 180
 cttcggaatt ccatttcgag aaactcgata tattacagga ctaaactcaga catccgagta 240
 aaaaattatt gtcgtttgaa tttgctcaga gcttcagaat tccatttcaa gcaactcgat 300
 atattacggg actcaatcag acatccgag 329

<210> 7747
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 7747

agctttgagc aaattcaaac gacaataacg ttttactcgg atgtctgatt gagtcccgt 60
 atatatcgag acgctcgaaa tggaatacca aagctctgag caaattcaaa cgacaataac 120
 tttttattag gatgtctgat tgagtcccgat aatatatcgg aacgctcgaa attgaatgtt 180
 gcagctctga gaaaattcaa acgacaatta ctttttactc ggatgtctga ttgagtcccg 240
 taatatatcg agacgctcga aatggaatat cgaagctctg agcaaattca aacgacaata 300
 actttttact cggatgtctg actgagtccc gtaatatatc gagacgctcg aaattgaata 360
 tcgaagctct gagcaaatc aaacgacaat aactgtttac tc 402

<210> 7748
 <211> 320
 <212> DNA
 <213> Glycine max

<400> 7748

tttctttgtg ggttgatggg ttctgtctcg tagaatggca tgatcactgg ctgacatggt 60
 ctcaattagc tcagttgctt ctttcggggg ttcaattttt atctttcccc ctgcagaagc 120
 atctaacagt tgcttggttt gtggtctcag cccatctata aacatattca attggattgg 180
 ctcggaaaac ccatgagtag gagttcttct caacaagcct ctgaatctct ccaatgcttc 240
 actcagagat tcatcaagaa actgatgaaa tgaagagatt gcagctttcc cttctgcagt 300
 cttggactct ggaaagtatt 320

<210> 7749
 <211> 322
 <212> DNA
 <213> Glycine max

<400> 7749

ttctaataaa tttacaatgt tccaattggt ttcaaaatat tgtaattgat tacaatgatt 60
 tggttaattga ttaccagtgt gtttgaacgt tgtaattcaa attaaattgt gaagagtcac 120
 atcatttcac aaaaaagctt tgtgtaatcg attacactga tttggtaatc aattaccagt 180
 gatagtttct gaacaaaatc aaaagatgta actcttccaa tagttttcaa gtttttctaa 240
 aagttataac ttttccaatg gttttcagat tttctaatag ttataacttt tccaatagtt 300
 ttcagatttt ctaaaggtta ta 322

<210> 7750
 <211> 304
 <212> DNA
 <213> Glycine max

<400> 7750

tcaactagat gccttgggta atttggtaac cctactggcc atgaataaaa aatttgact 60
 tgtcgccaga ctctgtggtt tatgctcttc tgccgaccac cacacagacc tttgcccttc 120
 tgtgcaacat tctgaagcaa ttgaacagcc tgcagctaata gctgcaaaca tctacaacag 180

accttctcaa cctcaacaac aaaatctgcc acaacagaat aactatgacc tttccagcta 240
caggggcaat tccggatgga ggaatcatcc caaccttaga tgggtcaaattc cgtcacaaca 300
acaa 304

<210> 7751
<211> 339
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7751

agctcttacg gacttgaaga gattctgagt ttgtccatca catttttgat ggagngctgt 60
gtatactaac aatttaacac catgtgaccg cattatacct gtcccaaaaag agattaagat 120
gctgtatctc tgtctaaaat gatttgctct ggccatacat gcaatctcac aactgtgttc 180
atgaataatt ttgcaacttt tgctgcactg aatggatgtc ctaaagctat gaaatgggcc 240
tatttagtac atatatctac cactactaat atgacactga tacgatgaga cgacggcaaa 300
cctgtgatga aatccataga gattgactct catgctcta 339

<210> 7752
<211> 324
<212> DNA
<213> Glycine max

<400> 7752

ctcaagcttg ctaaatggaa gcagcgatgt ctttctatgg ggggcaggat aaccctcttc 60
aattctgtcc caacagccct ccctatctac cttctctctt ttttcagaat tcctaaaaaa 120
gtgatacata aggtagtctt tattcagagg aactttttgt ggggggggtg ttctgaaaca 180
gctaagatac catgggtgat ctgggatatt gtttgtcttc ccaagactaa aggaggggtg 240
gggatcaaag atttgtctaa gtttaatgag gccttgattg gtaaattggg atgggatctg 300
gctaataacc agaatacagct ttgg 324

<210> 7753
<211> 296
<212> DNA
<213> Glycine max

<400> 7753

tgatgatcgg agtgagaaac atgtgtttat tggctatgat gcaagttcaa aaggctacaa 60
 attgttcaat ccaaacaatg gaaggacaat tgtgagccga aatgtcgagt tctatgaaaa 120
 aggcacatgg aattgggagg agaaagaaga cacttatgat tttttccgt actttgaaga 180
 aatagatgaa gaagccttga ctccaaatga ttcaactcca acactttcac caactccttc 240
 aaccaatgaa gcctcatcat ctttcgaaag gagttcaagt gaaaggccaa gaagaa 296

<210> 7754
 <211> 369
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7754

agcttgtgtg tntagcaaga tataccttat gtcanngtac catcttattc gagtgaagtc 60
 tgacgatatt ccgaagacta cttttaggac ccgttatggc cactacgagt atctagtcac 120
 gccctttggc gtgactaatg ctccaggtgt gtttatggac tacatgaata aagtctttca 180
 cccttacttt gatagttttg tggtagtatt catagatgat attttggat attcaaagac 240
 tagagaggaa catgaagagc acttgaggat tatgctgctt acccttagga atcgacaact 300
 ttatgctaag ttgtccaagt gtgagttttt ggtagagaa agttagtttc ctaggcatg 360
 tgatatctc 369

<210> 7755
 <211> 329
 <212> DNA
 <213> Glycine max

<400> 7755

tcaagctttt agaaaatgtc gatgccgagt gtatactatt tttcttccat gtttcagttg 60
 tacgtatcct gtgtccactc aaattcccgt atgctggaaa gtcatttatg gtacaaaata 120
 gcattgcgag caacttgaat gtttcatttc gataccatc aaacatgaaa acccccttgc 180
 tcaacaactt gctcaagtct tcaatcaagg gactgagata agcatcgatg tcatttcctg 240
 ggtgtcttgg gcttgatatc atcatagaca acattatgta ttttcgcttc atgcacaatc 300
 aaggatgcaa gttgtaaatt actaacaaa 329

<210> 7756
 <211> 332
 <212> DNA
 <213> Glycine max

<400> 7756

tgtggcaaag ttgaacaatt aaactaaata aaattgtatt ttgattacat tagtatttca 60
 tagtatataa tgcattctata tgtataaaag agaagggtgca acaatgttgc tcaccaatgt 120
 ccctttaacc tgagttgaaa catggccttt ctactgtct gagacaagct tagacaaacc 180
 aaaatctgca acctttgctg tcaaattttc atccagcaag atattagtgg acttcacgct 240
 tctgtggatt atgggagggg tggcaagctc atgtaagtat gcaagtcctc tggatgaacc 300
 aagagcaaca cggagtctcc tcttccagtc aa 332

<210> 7757
 <211> 318
 <212> DNA
 <213> Glycine max

<400> 7757

ttcacttaaa gttcgtatac cacgtctttt tccggttttt ccgacgtttt cctcaaataa 60
 acgttggtgg cgactccgcg cgtattcctt tcttgaaca cgactcgcg agtcacgcgt 120
 cgccctcccg ccgaagggtg ggttgcgaca accgtgacct aagagtcggt tggcatagcg 180
 agccacacga ccgtgggatc cccaaattcg tatgttccat catttatcat ttgtatgtta 240
 tcttattttt atgacttgag ggactaacgt ttgttttgct ttttcgatcg ctttttgttt 300
 tgtgcataca tattgttt 318

<210> 7758
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7758

agcttgtacc caccagtact atgatagcct agcataatca tttgtttcac cttttgtcc 60
 agttttcttc ttaattgatt tggaacatgc ttgaagcaca agcatccaaa cacccttagg 120
 tgcttgagac aaggcttact tccactccaa gtttcttcag gtgtcacatt ctctagcctc 180

tttgttgaac atctgttgag cagataagct gctgttgaca ctgcctcacc ccaaaactcc 240
 tttggcaagt gaaaattcct tagcatacac ctggatcatgt tgactatggt tctattgagt 300
 atctcanata caccattgtg gtgtggtgca tatggagggtg tgatcttatg aatattaccc 360
 tcaccccat agaaattcct tgattcatgt gatgtgtatt cact 404

<210> 7759
 <211> 328
 <212> DNA
 <213> Glycine max

<400> 7759

tatcgaagga gtcataaata aactattttc ataagtcct tagaagctat tatcattaac 60
 tgtgaagcat tcaagcttaa gcaataatac aattggagaa ttctcatgtt ccataaaaca 120
 gagtttgatt tcaatcacccg tacgtatcta tctatcatag aatcaacaat tctaatcata 180
 acatgaaagc aagtaccgc aactgctcca acagcgccaa aagcaccaga ttttccgtct 240
 ataacactgg catcgactc cagccaccg tcttcggtca gattggagcc tctgccggcg 300
 tttgtgcagg gatcgctcctc cagcactt 328

<210> 7760
 <211> 321
 <212> DNA
 <213> Glycine max

<400> 7760

tctacattca atttcgagtc ttttcgatat attacgggac tcaatcggac atccgagtaa 60
 aaagttattg tagtttgaat ttgctcaggg cttcggtatt ccatttcgag cgtctcgata 120
 tattacggga ctcaatctga catccgagta aaaagttatt gttgtttgaa tttgctcaga 180
 gcttcggtat tccatttcga gcatctcgat atattacggg actcaatcag acatccgagt 240
 aaaaagttat tgtagtttga atttgctcag ggcttctgca ttccatttcg agcgtctcga 300
 tgtattacgg gactcaatca g 321

<210> 7761
 <211> 341
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 7761

ncaagcttga gcaatthtaaa acgacaataa tttntactc ggatgtctga ttgagtcccg 60
taatatatcg agacgctcga aatggaatac cgaagctctg agcaaattca aacgacaata 120
actttttact cggatgtcag attgagtccc gtaatatatc gagacgctcg aaatggaata 180
ccgaagctct gaacaaattc aaacgacaat aaatthttac tcggatgtct gattgagtcc 240
cgtaatatat cgagacgctc gaaattgaat accgaagccc tgagcaaatt caaacgacaa 300
tcactthnta ctcggatgtc tgattgaatc ccgtaatat t 341

<210> 7762
<211> 304
<212> DNA
<213> Glycine max
<400> 7762

tcattggtgc ccagcttcaa taacaagtta cagggacccg atttttgtca gtcaattctg 60
gaaggacttc atggcttata aagggtattca agtttagttt tctactgctt accatcctca 120
gacagatggg cagatagagg tagtgaacat gtgtattaag acatatctga gatgtatgtg 180
ctcagatgat cctaaacaat ggtccaaatg gcttcccttg gctgagtggg ggtataactc 240
tacatatcac agcactatta aggccagtcc ctatgaaatc atgtatggac aagcaccacc 300
agct 304

<210> 7763
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7763

agcttttgag atactcanat ggtcattatt tttcactcgg aggtccgatt cangcgcac 60
acatgtcgag acgctcgaaa ttgaaaaatg gaagctcttg agcaattcaa atggtcataa 120
tattttactc gtacgtccaa tacaggcgca taatatatcg agaggctcga aattgaacaa 180
cggaagctct cgagaaattc aaatggatcat aactthttcac tcggaggtcc gattcaggtt 240
tataacatat cgagacgctt gaaattgaac aacggaagct ctcgagaatt caaatggctc 300

tactttttcac ttggagggtcc gattcaggcg catcacatat agagacgctc gacattgaa 360
aacgg 365

<210> 7764
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7764

ncaagcttgg cactggtatt catgtttcat ttatgccttt tgagtatgtg cattttgatt 60
tatggggacc atctagagtg aaaactcatg gtggaagctc aaactttctc accatcatag 120
atgattttctc aagaagagta tggttgtatg ttttgaaaa aaaatcataa gcttttcaaa 180
agttcagaga gtggcatact cttattggaa atcaacttgg tacaaaaacta aaagtttta 240
ggactgaaaa tggcctggag tttgtttcag agcaattcaa tgagttttgc aggaaagtag 300
gtatcaaaag gcacaaaaca gtccctcaca caccacaaca gaatggatta gcagaaagaa 360
tgaataggac catttttgaa aaagtg 386

<210> 7765
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7765

agcttatgat gtgatttacc aagaggatct catcaaacgc cttgagtccg agatctctgg 60
tgactttgag gtaccataag aacattattc acataatttt gccaaactatt tcatcatgta 120
gcattttttt ggtacattgt gatgactata aattaatgac gggactagtg ttggcctagt 180
ggaggattga gatagtgtgc atgagatctt aggttcaaat cttagtacga ctattgtata 240
aaaaaaaaat taatgatggt gtgtatgtat gcaaatcaga gagctatgta ccggtggatg 300
ttgcagcctg cggatcgtga tgctgttttg gtgaatgtgg caatcaagaa tggcaccana 360
gactaccatg tga 373

<210> 7766
<211> 381

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7766

 agcttattat tggactntgc aaagnggggc tctngaagt agccttcagt ttgtaccatc 60
 atatgagggga agggggaatc tctccctctg aaattattca taattctctt ctaagtagtt 120
 gttgcaagtt ggggaatgttt ggggaagcac tgacattggt agattctatg atggagtgt 180
 gtcatttagc acatctagaa tcctataagc ttcttatttg tggctctgttt gaacaaatga 240
 acaaagagaa ggctgaagct gttttttgta gtttactacg atgtgggtat aattatgatg 300
 aagtggcttg gaaagtctg attgatggct taactaaggc tggatatgtt gatcaatgct 360
 cagaatngct gaatctaag g 381

<210> 7767
 <211> 369
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7767

tttcatgcaa gcttacatgt attgacaagc tgttatTTTT taactgccat ggaattcctt 60
 aagagtatac aaaagaagcc attcttacct gcaattttct tacatattct tcttggaacc 120
 tgaatgtgac aatttcctgt ccaaggattg tagttgggtg cggaagttct ggttttcctc 180
 aagtaagcga tcatactcaa gaaggaaccc ctcagattgt tttctcagag cagctatatt 240
 ggcttcagca ccatctacgt cttttgtttt tgactgtagt tcagattcaa ggcggctaag 300
 ttcagctctc aatctggctc tttcttcctc cacagactta atntcttctg aattngcaac 360
 tttcccatc 369

<210> 7768
 <211> 226
 <212> DNA
 <213> Glycine max

 <400> 7768

tacttcacat ggatcctatg gtgcctatgc aggggtgaaag tcttggaaga aagaggtatg 60
 cctatgggtg tggggatgat ttctccagat ttacctgagt aaatgttatc agagagaaat 120

cagaaacctt tgaagtattc aaagtagtga gtctaatact tcatagagaa gaagactgtg 180
tcatcaagaa gaatctggag tgaccatggc agagaatttg aaaaca 226

<210> 7769
<211> 311
<212> DNA
<213> Glycine max

<400> 7769

tcggacctca gtgtgaaaag ttatggccat aatttatctc agagctttct tgttcatctt 60
cgagcgtctc tatatgtgat ggccttaat ctaacttccg tgtgaaaaga tatgaccatt 120
tgaatttctc aagagctttc tctgttcaat tttgagcgtc tcgatatgtg atttgcctga 180
atcggacatc cgtgtcaaat gttatgacca tttgaattct ccagagcttt cgctgtacaa 240
ttcagacctc tcgacatatt atgcgcctc atcggacatc cgtgggaaaa gctttggaca 300
tttgaatttt t 311

<210> 7770
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7770

tataaaactc agcttgacat aatcgcggac aatatctttt actcagtatg tacgaatgaa 60
tcccgttaata tattgagaca ctcgtaattg agaacggaag ctctagcaa attcaaata 120
caataacttt taactcggat gttcgattga gtcttgaat atatcgagac gcttgaaatt 180
gaaaacggaa gctctgagca aattctaacg agaataactt ttactcggat gttcgattaa 240
gtcccgtaat atattgagag gctcgtaatt gaaaacagaa cctcgtagca aattctaaag 300
acaataactt tttacttgaa tgcgattgag tcccgttaata tatcgagaca ctcgaaattt 360
aaaatggaag ctctagcng atgcatacga caatgactgt ctactcagat gtccgattca 420
atcccgtaat atatgaatac gctcgtaatt gaata 455

<210> 7771
<211> 300
<212> DNA

<213> Glycine max

<400> 7771

gcaagctagg ttacctcctt cttcactaca tcaataatca ccgagttgag tcttctctgg 60
ggctgtctta ctggaatagc cccatcctct aaatttatcc gatgcataca tatggatggg 120
ctaataccag gaatgtccac caggggtccag cctatagcct atttatgctt cttgagaaca 180
tataacagct tctcctcttg ctcatcagct agggaggcag atataattac tgtaaactct 240
ttgctatcat ccaagtaagc atattttaaa tctgatggca gagacttcaa ttctggtgtg 300

<210> 7772

<211> 435

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7772

tgctcattgt ttggtatggt tctctctaca gncacttcc tattgataag ctcataaaga 60
actacaccat agctccacac atcactctta gcagttagct taccagtctg aacatactca 120
gggtgcagcat aacctatggt gccgacaacc tttgagaaga gataagtcac ttatttttga 180
tgacagcaaa atatcaggaa caaaacgaag attcagactt cagattatca ttgtaacttt 240
ntataaatta gattcattca cattgaatat ggtaaaatat agttaattta ctcaatataa 300
gctgccagaa ggcacactat tctgatgtac tactatgatg caatattgtc aatataatga 360
gttttctcaa gagtatagac aaattcttac tgctggtgaa acatagccag acccttctga 420
tggtccttgc cgagc 435

<210> 7773

<211> 448

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7773

tgaagttggt gcanaaatgg tgtgttcccg tgggtcttgt ggagcctttg gtgagttttg 60
aagaaaatgg gggaagatgg ggtgaaattt ggcttccctt ccccccccc ccccgtttta 120
tttttttcat cagaccatgc tcgcccaggc gagttgaatt tgcaaaattc tattgcaaag 180

tttttgttat atatatttcc cttttaaaccc ttattaatta tgtataagct taggtgaatt 240
 catgagataa ttcaagaaaa taaataagta tgaaacatga tgtagtgct tagctttact 300
 gagttttaaa agattggcta aaattttgtt aaaacataag cgcttagaca atgaaggaaa 360
 gctggagttg ctgcacatga tgtccaacgt tatgtcaagg aatcagattg ggctgcacaa 420
 tgcacaaggc aagataaaat gtcaaatg 448

<210> 7774
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7774

ngaaggcaaa ctggatgcgt tgggtcaactt ggtaacttag ctggccttga atcagaaatc 60
 tgtacctgtc gcaaggggtt gtggtctgtg ctctctact gaccaccata cagaccttg 120
 cccttccatg cagcaacctg tagcaattga gcagcctgaa gcttatgctg caaatattta 180
 caatagacct cctcaacctc agcagcaaaa tcaaccacaa cagaacaatt atgacctttc 240
 cagcaataga tacaaccctg gatagaggaa tcaccctaac ctcatgggt ccagccctca 300
 gcaacaacaa cagcagcctg ctcttctctt ccaaatgct gctggcccaa gcagaccata 360
 cattctcca ccaatccaac aatagcaaca accccagaaa cagccaacag ttgaggcccc 420
 tccacaacct tccctcgaag aacttggtg 448

<210> 7775
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7775

caatggctca atgagcaagg cgagatgata gtcaatttac aagtaaacad accctnttct 60
 ataggagact actatgatga cgttttatat gatataatcc ttatggatgc agggaaacatt 120
 ttgttgggta gaccatggca atttaacaag aaagacatcc acaatgggtc caccaatgaa 180
 ataaccctca cccatgtaag caaaaagctc aaacttggtc ccttgacacc ttcacaagt 240
 gttggggatc aagtacaaat aaaactcaaa tgggatgagg aaaataataa aaaaaagaaa 300

agaagaacaa cctttaatgg ttaatgagga gtgtaaggag gtaggtgtct cctccaatag 360
 gttagctaag aagaaaagtc attttgctat aaagacaaac attaaagaca cttcccttct 420
 tagacaacct ccacatatcc 440

<210> 7776
 <211> 377
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7776

ctgcagctca agattgattc catttctttg tacaaaattc atcttcctgg tgtccnctta 60
 aggtaatgga gaattgatag gtagcttgta agtggacttc tcttggacag tgcataaatt 120
 ggctcaccaa actaacaaca aaagtaatat taagccttgt gtgagacaag tcaatcaagt 180
 ttccaactag acgttgatgc atctccttat ccacttatgc attgtcatct taattagcca 240
 atttaatggt tgaatccatg agagtactta gagaagctat catacatgtc tccttcagca 300
 gatttgtgac atatttntgg ccggaatatg aaaataccct tcttggagtg agacacttca 360
 attcccaaaa aatattt 377

<210> 7777
 <211> 463
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7777

tgtgacatga ggccattaag tgccctctgcc acaatgttat atagaagagg tgatagatgg 60
 tctccttgcc ttagtccttt ctgaggtagg aactcagctg agggactacc attcaccana 120
 aatgaaacag atgctgattn tagacacccc tcaatccatt gaattcattt gctgcaaaaag 180
 cccatcctac ccacatata agtgagaaac tccaagaca caaaatcata tgccttttca 240
 taatcaacct tgaagacaat gcaaggcttt tggcatcttt tggcctcttc aactacctca 300
 tttgtagtca ccacgctgtg tagcatatgt cttccttcta taaatgctga ttgcctctca 360
 tgaataataa aaggcatgac cttcttcaat ctattggcca atattttagc cactatcttg 420
 tatgtgcatc ctatcaatga tatanngttg aagtcattca aca 463

<210> 7778
 <211> 453
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7778

atgtaaatga tcaaacttat tcttgtattg agatattatn tgcttcattg ttattctncc 60
 acctcatcat ttacactaaa aacatcctta tatcacatgt ttccacataa aaagtaaaaa 120
 ttaaatacta tcaagataca tgatgaaacc aatttgaaga tataactagt attcaaatat 180
 ataaataaat tgaatataat tgatctaatt atatactaac attcatatgt caccacattt 240
 catctacatt gtctttacta atatcactcc aaccattaac ttgtaaagga gctttctggc 300
 aaatacatat ttgtgtctca tacttgaaat attttactat attaggtaga gacttcttca 360
 ctagtttctc aagagagtgg tgtatggatg aatgattatt tgctctttta gaatcaatat 420
 caatgaattt accatctatc agttacaacg gat 453

<210> 7779
 <211> 269
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7779

tgagaatgga ggatntcctt gatggctctc tctnatgtta tcttgaaca cagctccaaa 60
 ctcaaaaatg gaggacacat gaatgacaac gcaattcatt catggggctc cgaaaaaggg 120
 taagaatgga ggattttctt gagggctctc tcttatgcaa tcatggaaca catctccaaa 180
 ctcaaaaatg gaggacacat gaatgacaac gcacttcatt cattggggctc cgaaaaaggg 240
 tgagaatgga agatcgcttg atggctcctt 269

<210> 7780
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 7780

taaatattca atttcgagcc tctccatata ttacggtttc tcaatcaaac atccgagaaa 60

aacggttattg tcgtatgaat ttgctcagag gttcaacatt caatttcgag cgtctctata 120
tattacggga ctcaatcaga catccgagta aaacggttatt gtcggttgaa ttggctcaga 180
ggttcaacat tcaatttcga gcgtctcgat atattacggg actcaatcag acatccgagt 240
aaaaagttat tgtcgtttga attggctctg agcttcaaca ttcaatttcg agcgtctcga 300
tatatgacgg gactcaatca gacatccgag taaaaagtta ttgtcgtttg aattggctca 360
gaggttcaac attcaatttc gagcgtctcg atatattacg ggactcaatc acacatccga 420
gtaaaaagtt at 432

<210> 7781
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7781

tgatgtcatt caaaacacac tatgtagacc taaatgttta ctaaaccatgc attgccaaact 60
caaacgacaa taactttgta ctccgatgtc tgattgagtc ccgtcatata tcgagacgct 120
tgaaattgaa tgtcgaagct ctgagccaac tcaaacgaca ataacttttt actcggatgt 180
ctgattgact cccgtaacat atcgagacgc tcgaaattga atgttgaagc tctcagccaa 240
ttcaaacgac aataactttt tacacggatg cctgattgag tcccgtcata tatcgagacg 300
ctcgaaattg aatgtagaag ctctgagcca actcanacga caataactnt ntactcggat 360
gtctgattga gtcccgtcat atatcgagac gtcgaaatn gaatgtcgaa gctctgagcc 420
aactcaaacg acaataactt ttactcgga tgtctg 456

<210> 7782
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7782

agcttcaaca ttcaacttcg agcgtctcgn cttattatac gactcaatta gacatccgag 60
taaaaaagtta ttgtcgtttg aatatgctca gagcttcaac attcaatttc gggcgtctcg 120
atatatgacg ggactcaatc ggacatccga gtacaacgat attatcgtct taattggctc 180

agagcttcta cattcaattt tgagcgtctc gatatgttac gggactcaat caggcatccg 240
 agtaaaaagt tactgtcgct tgaattggct gagagcttca cattcaattt cgagcgtctc 300
 gatatggtag gggactcaat cagacatccg agtaanaagt tattgccgnt tgagttggct 360
 cagagcttca acattcattt caagcgtctt gatatttgac ggactcaatc aggcacccg 420
 gcaaaaagt 429

<210> 7783
 <211> 453
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7783

agaggaagaa gcatgatgga aatctgctgg tcattgttga aaatntcatg cacgcatcca 60
 agaaatatga naaggtcagg ttattagtta aaacttacta gtaattcat tatacttgat 120
 tataatgaat atttttaag aaagatgtcc ttctgaatgc aacttaaata ggtgcataac 180
 agaataaact tcttcattga tattgtagtc tgtaaaatac attgagtttg atcactcatt 240
 cagtgaagat gagaagtgtc gtgctaatac cttacattta tcctgtaatt tgaacaatgc 300
 tgctgtaaa cttaaattgn gggagtacat tgaagcttca agactatgca caaagggtact 360
 ctctgaccc aatttaagta nttttctctt tctccctgtc tctctatcac ctgatgagac 420
 aagaaaacat tgcataagggt agtgcattgt ctt 453

<210> 7784
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7784

cctcttcacg tctggagtat gtatgtagca tatagatcca aagaccctta ggtgctntgc 60
 tgatggcttc tccccgttcc aagcttcaat tggagtctgt cttttataga ctgagttgga 120
 catctgttga gtatgtaaac agtagttag actgcttcag cccaaaatga gtaagtagt 180
 ccctcttctt tgagcatcga tctagccatc tctataactg tgggattctt tctcttgac 240
 actccacttt ggtgaggaga atatgcgact gtaagttgtc gctcaatgcc ttcacccct 300

caaaaatctt caaactcgcg agaggtgact cntngccgca atcacttctt agaactttat 360
ccatcttcca ctttgatttc agcaatggcc ttgaacttgt gaatactc 408

<210> 7785
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7785

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caacagtcac atctttgtat gtggttcttg aatggctatc aaaggcctat atatatgtga 120
cttgagacac gaatttacta aaagtttttc agaacaaaaa ggtcttatct tcttataaag 180
caaaatcggt ttatcctctt acaaattcct tggccaaatt acttgtgatt caataaggaa 240
ttatttgagt gctcaaattg ttcaatctat ctctttcaag agagatttct tcttttcttc 300
ttcttcattt tgaaaaggga ttaagagacc gagggctctt tgttgtgaaa gaattctaaa 360
caciaaggaa ggcgtgtcct ttgtgtgtta gaacttgta aaggaatnta caagatagtg 420
gaactctcaa gcgggttgct tgtggactgg a 451

<210> 7786
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7786

gctatcactc ttactgggtga ttgaaaaaag cntntaatgt ttactcaaga gcatgtattg 60
tgccgatacc gttaactggg gaacagggttc ttgagcgggt tgacgacatt aatactgtat 120
ttggaaagac ttcatatttg gtctgatcta gatgtcagac attgtattga tgttatccat 180
gtcaagaaaa atgattgtga tagtgtcatc gacacgcttc ttaagattta atgcaagtca 240
aaggatgggt tgaataatca ctaagatcta gttgagatgg gtatacgaga ccagttacat 300
ccaaggctctg atggttaacaa aatatacttg cttctagctt gtcatacttt gtctagaaag 360
gaaaagataa cttttttgtca gtgtttgtgc catgtcaaag tgccacaggg ataatcttca 420
aatgttaaca gccttgtgca gttgaaggat ctcaagcta 459

<210> 7787
 <211> 345
 <212> DNA
 <213> Glycine max

<400> 7787

ctgacattca ccacagattc tgccttcttc tattttcaga tagagaatgc ctctaacagc 60
 acctttgtca atgatattct tcatgcctct taagagcaga tgtccaaatc tttgatgcc 120
 tattttgact tcatcttctt tggaggatgg acatgtggat gagtaactgg tttctagagg 180
 tgtccataag taacagttgt cctttgatct gctggccttc attagaactt cattcttctc 240
 atttgtcacc aagcattctg actttgtgaa ggttacattg aatccttcat cacacaactg 300
 actgatgctg atcaagtttg cagtcagtcc ctttaccagc agtac 345

<210> 7788
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7788

tctntgagan aacttccttg ttatagctag agcttagcta cacacacccc tctcataact 60
 aagctcacct ccttgagaag cttctttaag aagattccta aagaagctag agcttagcta 120
 cacatacctc tctaatagct aagctcacct ccttgagatg agaagctaga gcttagctac 180
 acacccttat aatagctaag ctcccccca tgacaaaaaa aacatgaaaa tacaaaaaaa 240
 agtccttact acaaagacta ctcaaaatgc cccgaaatac aaggctaaaa ccctatacta 300
 ttagaatggc caaaatacaa ggcccaaaca aagaanaaac ctattctaatt atttaciaaag 360
 ataagcgggt catgcttagc ccatgggctc gaaatctacc ctaaggctca tgagaacctt 420
 agggccttcc cttggatctc tagcccaatc tacttgga 458

<210> 7789
 <211> 337
 <212> DNA
 <213> Glycine max

<400> 7789

ttatgtgctc ttcattgctg tttttgttga ataatcccta aaattctttc ttgataaaac 60

tctattgatg tagctctcat ttcatttttt gggactctcc gaattgcttg tctcttggcc 120
 tgcttattgg tgagttgcca tatagggaat tgtaaaggat gattgtggac atcccttgat 180
 aatattgagt caagaagtta ggggaaaacc accttaagag cttttggact aagaacact 240
 tcaaattgag tgaatcacct atgagagaac actctccata aattcacgac cttcttttag 300
 tggttttaat agagaattac ttaccttcat tgtttca 337

<210> 7790
 <211> 308
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7790

gcttatatca tgttgatat ataggntatt tatgcatgnt ctcttttgta ttgtagatga 60
 tcaatgagag gagcctcctt gtgtatgtta actctagcat gaggtagttc ggaaatttct 120
 acttttgctt ttgagtgtac cgggtgcccc atactataaa aaaaaaacga ctcttatgcc 180
 taataataaa catgatggcg agccctgttg cagcggtaaa gttgtgcctt ggtgacttgt 240
 tggtcatggg ttcgaatcca gaaacaacct ctttgcatat gcaagggtaa ggctgctgac 300
 aacatccc 308

<210> 7791
 <211> 430
 <212> DNA
 <213> Glycine max
 <400> 7791

atgaacatat cagcaggatt gtgtagaggg ctaattttat gaacattgag ttttctttct 60
 aaccgaatga agtgatatct aacatctata tgcttggttc tatcatgatg aacttgatcc 120
 ttggccaagc atatagcact aacgctgtca cagtagatgt tagcatattc ttgattaatt 180
 ccgagatcat ttatcagacc tctaagccaa attccttctt ttgcagcttt agtaagagcc 240
 atatatttag cctcagtagt tgagagagca accgaagggt gaagtgttac cttccaactc 300
 accaagcagc caccaagggt gtaagcatac cctgttaatg accttctctt gaccagatca 360
 gcagcaaaat ctgcatcaga atagccagtg aggcagcaat ctgggtgaga tccatagatc 420

<210> 7792
 <211> 455
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7792

ggccaacaaa tccgtatttc tttagagaca ttntcatatt attattccat ttgtcatttt 60
 aattagaata ttgcttttac attccgcaat tcaattaaact actattgtaa gtataacttt 120
 aaaatattta ttataaaatt taacaatttt attatacaaa tgagagtctt tgattgaatg 180
 acaactatat tcacattaaa ttcttttatt tttattattt gaagcattta attaaacttt 240
 gaacattaca gctcttagta tgtttaaaac ttagtttatt tatttaactt tccaatagac 300
 aatgatttct ttgatgatag aaaaaccaca caaaaaaagc tatttaattg aagaaaaatc 360
 aaattaaaag aaaaataaaa taaagatttt ctttataaaa actaattnta tctctnttat 420
 atcttcttat tnttaattaa aattcacaaa ctaat 455

<210> 7793
 <211> 453
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7793

acagattatt ntattatgta agtgtaaagtg gttatattaa cctctatggt gttatttttt 60
 ttattattaa aatcataaat ttatttactt ttttaaagtg taggaatggt gatatatata 120
 aaaaagtcaa acttataagt ttattgaagg ataaagttat gttattttta aagtctgatt 180
 gcaaaatgaa tttttaaata agttatcatt caccttatat tagaccttaa agataagctt 240
 ataaaacata agttagactc aatttttata aaaggttcat ttgtttaagt tgttttttta 300
 aaaaaatata ataacaaaat aattaagcat cttttcatgt gttgtctaa attatctttt 360
 tgctaagaaa acnagaaaat gatttttntt aataaacaaa ctttatctac ttttagaaaa 420
 aacatttana aacattgctt aaaaaataa ttt 453

<210> 7794

<211> 343
 <212> DNA
 <213> Glycine max

<400> 7794

tgccgcatgc aagcttctaa actttataca agaatgaagc tctttaccac ttgttagaca 60
 agttggccta gatattctaa gaaggggggg ttgaattaag atactacgaa ttatatcccc 120
 aattaataat tctattttatc tttctattca aggatagat tcccttcata atgaatgtct 180
 taaataatga ttcaaaagaa caatgtgaat atgaatatga aacaataata aataaaggag 240
 tttaagggaa tagaaagtgc aaactcagat ttatactggt tcggccacac cttgtgcct 300
 acgtccagtc cccaagcaac ccgcttgaga gttccactat ctt 343

<210> 7795
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 7795

ggcacaaatg tcaggattct tactattcct cggaatagtc taatcaacca atcccaaaca 60
 agggcatatt ccacgactg ttttggcat ttaaggcatg cattgatgcg tttgcatttt 120
 atgaacccat tgtgtgaatc tatggaacat ggctatatgg aagatacaaa gggacattgt 180
 tagttgcaat ttcacaatat ggcgctaaca acatatttcc attggcattt gccattgtcg 240
 aggggtgagac agtagatggg tggcacttta ttttgcagaa cttgagaaca tgtgtgacac 300
 cacaacatgg tatatgctta atctctgaca gatagcagtc aatcaaaagt gcatacagat 360
 gaccgaacag tgtgtagaca gcagacaact catcacatgt gttctgtatt cggcacatat 420
 gtcaaaacta 430

<210> 7796
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 7796

cgtaatactc accacctcta tcagatctaa taattttcac ctttctatct aattgtcttt 60
 ctacttcatt caagtaaatt tctaaggcat cactgcacg agggcagtaa gtagacataa 120

ccgtaacgtg aatagtcatc aataaagggtg ataaagtatc tttccttttc aaaagaatta 180
 acatcaaaag attcacaaat atcagtatgc acaatttcaa gaagctgagt gcttcttgta 240
 gctcctttct ttgttttccc ttaatacaat ccacacaaat atttagattc gtaaaatcta 300
 aatcaggaag aatttcattc tttattactc tttccatcct ttctctaaga atgtgacgta 360
 aacatttatg ccacaagaaa gccgatcggt catcactaaa tatacgta 409

<210> 7797
 <211> 449
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7797

nttgtgtggg atacctaattg tgagcacagt ttctagtctc ctttaaggaaa gattcatgac 60
 cgctccagtg ctagttttgc ctaacccgag agaaccattt gaggtgtatt gtgatgcac 120
 aaagatgggt ttaggcggag tgttgatgca gaatggccaa gtgggtggcct atgcttctag 180
 acagcttaag actcatgaga ggaattatcc taccatgat ctagagttgg ctactgtagt 240
 tttttccctt aagatgtgga ggcattatct ttttggtctt aagttcgagg tgtttagtga 300
 tcataagagc ctttaagttat tgtttagtca gaaggagctg aacatgagac aaaggagatg 360
 gttattgttt ctttaaggatt atgattntga gcttagttac catcctggta aagccaatgt 420
 agtggctgat gctttgagta ngaaatctc 449

<210> 7798
 <211> 453
 <212> DNA
 <213> Glycine max
 <400> 7798

tggtctaaac tattcacacg gattgccgat tcgggcgtat aatttatcga gacactcgaa 60
 attgaacaat gcaagctctc gagaaattca aatggtcata acttttcaat cggaggaccg 120
 attcatgcgc ataatatatc gagacactcg aaattgaaca acggaagctc tctagaattt 180
 caacatggtc ataacttttc acatcggagg tccgattcat gcgcataata tatcgagacg 240
 ctcgaaatcg aacaacggaa gctctcgaga aattcaaagtg gacataactt ttcactcgga 300
 ggttcgattc aggcgcataa tatatcgaga cgcacgatat tgaacaacgg aagctctcga 360

gaaattcaaa ctgtcataac tcttcactca gaggtccgat tcaggcgcac aatatatcga 420
gacgctcgaa tatgaacaac ggaagctctc gag 453

<210> 7799
<211> 386
<212> DNA
<213> Glycine max

<400> 7799

gccttgagaa gattcctaaa gtagctagag cttagcttta cgctcctctc taatagctaa 60
gctcacctgc ttgagatgag aagctagaac ttagctacac accccctata atagctgagc 120
tcacccttat gacaaaatac atgaaaatac agaaaaaag ttcctacttc aaagactact 180
caaatgcct cgaaatacaa gggtaaaacc ctatactact agaatagccca aaatacaagg 240
cctaaatgaa ggaaaaaacc tattctaata tttaaaaaga taagcgggct catacttagc 300
ccatgggctg aaaatatacc ctaaggctca tgagaaccct atggccttcc cttagatctc 360
tggccaatc tacttggagt cttcta 386

<210> 7800
<211> 336
<212> DNA
<213> Glycine max

<400> 7800

cgctcgaaat tcaacactgg cagctccgca ccaattcaga tgggcatacc tttacactcg 60
gaggttcgat tcacgcgcac aatatatcga ggcgctcgaa attgagaacc gagagctctc 120
gagaaaatca aatgggcata actctccact cagaggtccg attcatgcgc ctaatatatc 180
gagacgctcg aaatcgaaca acggaagctc tcgagaaata caaatgggtga taacttttca 240
ctcagagatc cgattcagtg cataatatat cgagacgcta gaaatttaac aacgaaagct 300
ctcagatat tcaaatgggc ctaactttta ctcgga 336

<210> 7801
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 7801

agcttcaaga ataatggcct cagcaaactt cttatttcta gaaggattat taatcaatag 60
acctccaatc tttaatggag agggttacca ctactggaaa agccgaatgc aaatttttat 120
tgaggcaata gacttaaaca tttgggaagc catagaaata gggccttata taccaccac 180
agtagaaaga accacaatag atggaagcac aacaagtga agcacaaca tagaaaaacc 240
tagagataga tggctcgaag aggatagaag acgagtacaa tataatttaa aagccaaaaa 300
catataatta catctgccct gggaatggat gaatattca gggtttcaaa ttgtaagagt 360
gctaaggaaa tgtgggacac tctacaagta acacatgaag gcacaacana tgttaaaaga 420
tctaggataa acacattaac t 441

<210> 7802

<211> 411

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7802

agcttctaca ttcaattcga gctttcggtta tattactgta ctcaancgga catccgagta 60
aaaagttatt gtagtttgaa tttgctcagg gcttcggtat tccatttcga gcgtctcgat 120
atattacggg actcaatcgg acatcagagt aaaaagttat tgttgtttga atcttctcag 180
agcttcggtta ttccatttcg agcatctcga tatattacgg gactcaatca gacatccgag 240
caaaaagcca ttgtcgtttc aatgtgctca gggcttctgt attccattac gagcgtctcg 300
atgtattaca ggactcaatc agacatccga gtcaagagat atagtcgctt gaatttgctc 360
agagctacta cattcaattt cgagcttttc gatatattac gggactcaat c 411

<210> 7803

<211> 434

<212> DNA

<213> Glycine max

<400> 7803

acctgcggca tgcaagcttc agcctgatcg ctaagcgtca tactttttcg tggctaagct 60
tgacctatta tcgccaagcg caattcctta cggccataag agtccctctc atctaagcga 120
atgtgatgca atcctacccc ccaagggcat tggataaaaa actcgaagca gattggacca 180

aagatgcaag agaaggccca agggttctca tgagccttag ggtagatttc ggggccatgg 240
gctaagtatg agcccactta tctttgttga tattagatta aggtttcatt aattttgggc 300
cgtgtattta gggctccata atgtaggcag ggtaccctag aaatatagga tttttcagcc 360
cttggtattt agggcaccta gaactagttt tgtattaggg gtagttttgt aatttcacat 420
gcactaagtg aata 434

<210> 7804
<211> 353
<212> DNA
<213> Glycine max

<400> 7804

tcatatctaa tcattttcac atttatgtct aactgccctt ttacttcatt gtagtaaata 60
tgtaaggcat ccattgccta agaaatctca ggcagtaagt agacataacc ataacgtgaa 120
taatcatcaa taatggatgat gaagtatcat tcctttctga cagaactaac atcaaaagg 180
ccacaaatat cagcatccac aatttcaaga agctgagtgc ttcttggagc tcttttcttt 240
gtatgttatg gttgttttcc ctttaatacaa cccacacaaa tatttagatc cataaaatct 300
agataaggaa gaatttcatt ctttattaat ctttccatcc tttctctaga aat 353

<210> 7805
<211> 385
<212> DNA
<213> Glycine max

<400> 7805

atctaagaga cttctctggtt aagctagatc tttatcatac acaccctctt attaaactaaa 60
ttaaccttct tataaataat tacggatgaa aataacgcaa caaataatca aacatcaaac 120
ataattacta ataatatata gatatatata tcatgggtgtt acaggtatgg agtatcaaaa 180
gattcatgct tgcccgaatg attgcatatt gtacaaacat gaatttcaaa aaatgccaaa 240
atgccctaag tgtgggggtat cacagtacaa agtgaaggat gatgaggagt gtattaatga 300
tgaaaactca taaggcccg cagcgaatgt gttatgggtat cttgccatca ttccaagggtg 360
taagcatctg tttactaatg gagac 385

<210> 7806
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7806

agctctcttg agaagattcc tagagaagtt ttagttatct acacttaccc cttnaaagct 60
 aagctcatct cttccttgag atgataagat agagcttagc tacacacaca ccctataata 120
 gttaagctct ccccatgcc aaaatacata aaaatacaaa aaagtcccta ctacaaagac 180
 tactcaaaat gccttgaaat ataagactaa aaccatatac tactagaatg accaaaatac 240
 aaggtccaaa agaaggaaaa acctattcta atatttacaagaagagtgg acccaatctt 300
 ggcccatggg tcagaaatct accttgaggt tcatgagaac cctagggcct tctttaacag 360
 ctctagccta atcctctttg agtcttctat ccaataccct tg 402

<210> 7807
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 7807

tgtagggta aagtctcacg aaagcacttg ctcagtcttc atttgtagc cgcggtata 60
 cgagacatct tgccaaacaa agacagggtta gcgataactc gcctgtgctt tttcttccat 120
 gctatatgta gcaaagtcac tgatccagtc atgtttgatg agttagaaaa tgaggccgca 180
 attatactgt gccagttgga gatgtattct cccctgctt tctttgacat catgattcac 240
 ttgattgtgc atctggtcag agaaatcaaa tgttgtgggc ctgtttatct acggcggatg 300
 tactcggttg agcaatacat gaagatcata aaatgggtata caaagaatct atatcgtcca 360
 gaagcatcta ttgttgagag gtacattg 388

<210> 7808
 <211> 271
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7808

agctagccnn gtttcttggtt atatnngatt tactcanggn cactatgaac gacaaatacc 60

ttgggataaa gggagngccg ccatgttttc aaagcccga ctaaagcata caactcctta 120
tcataagttg aatagctaag ggtaggacca cttaactttt cactaatata cgcaattgga 180
tggccttttt gatcaacaca gcccgaatcc caacatgtga agcatcacac tcaatttcaa 240
aagatttttg aaagtttggc aacgcaagta t 271

<210> 7809
<211> 340
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7809

ctcttatgca aaacttttat ctcatagaan actttttctt agagacaaaa ggagaagatt 60
tgtagaagca gagcaaattg ttgaagaccg actntattca taaagcagaa taaatcactt 120
ggttagccaa tgtggttatg gtgaagaaat caactagaaa atagaggatg tatgtggatt 180
atagcgacct caacaaagta aggatgctta ccatttgcct aacatcgaca aattagttga 240
tagggcatgc aggtttagat tactatattt tctagatgcc tacacgggct ataatcaaat 300
caagatgtga tacaatccta ccccccaagg gcattggata 340

<210> 7810
<211> 438
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7810

tctcgatatg ttatacgctt aaatcggatt tctgagtgtt tagntatgac catnngaant 60
tctcgagacc ttccgttggt caatttcgag cctgtcgata tattatgctc ctgaattgga 120
cctacgagtg aaaagttaag accatatgaa ttgctcaaga gctaccattg tttaatttcg 180
agcgtctcga catgtgatgc gcctgaatcg gacctccgag ttaaaagtta taaccatatg 240
aatatgtcga gagcttacgt tggtcaattc cgagcgtctc tatatgtgat gcgcctgaat 300
cagacctcca tgtgaaaagt aacgaccatt tgaatcgctc cagagcttct attgttcaac 360
ttcgagcgtc tcgacatgtg atgcgcttga attcgacctt cgagttacaa gttatgacca 420
tatgaacatg tcaagagc 438

<210> 7811
 <211> 369
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7811

agcttgcttc tttngngca tagatagctt tgctaaaaat tttttaagng ncatgaatct 60
 ctgacataag cttcaaccaa ttaacattgt ttgtatgaca actggttag ttggacagca 120
 atcacacagt ttgtccacca tggtagctt tatgttcta ttggttatag ttttagtatg 180
 ctttatgttc ctattgggta tagctttggg gctggaatgt tcaatttga gtccacaaaa 240
 ggaggaactc catatgggtgt tggagttttt gctggagatg gtacaagaca agcaagtga 300
 atggagctgg agctcgcaga gtatcatggc aagtatatat gaaattagcc cataaaagct 360
 agaatggat 369

<210> 7812
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7812

agcttgctca tgtattcttg tatccaactt actatacaag aggcattcact tccagtcctg 60
 ctccaatgaa taaatcttta taagtaaaac atgtatgttt attctaactc accccatctt 120
 ggagcttgct ctctacagca gtggcaccaa gaagaattag gttcttctca atcttatctg 180
 atacttcctc aatcattata tctgatcag cactgactac attcttggcc cttagagaatt 240
 tactatcaaa ctcttggtat tcttctgcat caagttcacg ataggccagt ataagggttc 300
 tcagaccgc atcagcatat tcatgcacat gctccatggg tntctcttca aactcccttc 360
 tattcttggc ngcctttcaa acatgggtgct gcatgaaaac atcactc 407

<210> 7813
 <211> 374
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 7813

aaaggaaaat cctagtattt aatacttata ctaataaaaa aactatacat tacaaaatacc 60
ataaatggga aagttgggac aattatacaa gtttatacac aaagttagtc gttctcaccg 120
actaacactg gcgtagtata tagcatgaaa taaaattccc ttcctttgcc caagcactgc 180
acctacgacg taatcacttg cattacacat cagctcaaat tcttgtcccc aatctagtgc 240
tgtaattact ggagcaaaca ctaatctggt tttcaaatca ttaaagcat ccatacactc 300
ttcattaaac acaaatgcaa catctttatt caacagattg ctaagtgggt tggtgactnt 360
ngagaaatct tttta 374

<210> 7814

<211> 291

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7814

agacaagngg cctcagatat cttaagaagg ggggggttga attaagatat tcgaaacttt 60
ttcttctaataaaaaatcta tcttactttt tacttaagtt atgaattccc ttaatgataa 120
tcttcttaaa tattaattca aatgaagcaa cttgaatatg aatataaagc aataataaat 180
aaaggagatt aagggaagag aaaatgccaa ctcagtttta tactgggttcg gccacaccct 240
tgtgcctacg tccagtcccc aagcaaccgc cttgagagag ccactaactt g 291

<210> 7815

<211> 370

<212> DNA

<213> Glycine max

<400> 7815

accgagagga ttggaaacat aaaattcctc ttcaatgtat ccatttagga aaacactttt 60
gacatccatt tgggtataact tgaaatcgat aacataagca taagctaata acaatcttaa 120
tgctctcat cttgctaccg gtgcataggt ttcaccaaag cctataccct cttgttggtt 180
atagccctcg gctactagcc attctttatt tctagtgatc aaaccatgtt cattcaattt 240
atttttaaac acccatttta gtgccaatga tgttcatgtt ttttgaataa aggactaatt 300
cccatacatc atttctttta aatcagttca actcctcatg catggatatt atccaaaact 360

<210> 7816
 <211> 402
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7816

actaagcttc tagtctacct atgaattcgg ctacttatgc atttcctcta ttgacatgac 60
 atcacttctg gcacttaaata gcttagaagt tggaaccctc ctctcaaata aaattttggc 120
 tttaaccagg ggcattgtctt ccaaggcttc aacccttaca acaactaata tacttctctt 180
 cattggtgtg agtccctcat aaaaaatat gagaaaaaac tgctctgaaa tctggtggtg 240
 aaggcaacta gcacaataat tnttaaactct ctcccaatat tcatatangc tctctccatt 300
 gagttgtcta atacctgaaa taccctttct gatggccatg gtcctggaag tanggaaaat 360
 tttttctaag aatactctct tgagggtcatc ccaactcgtg at 402

<210> 7817
 <211> 440
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7817

atgtctctta tggccatgac tatcatttgn tgtatcaagt tgtggcaanc angagactnt 60
 aagcctacta atttaagatc tttcaactgc acttggctct taatatttga agagtatcct 120
 tgtgggactt tgacctggcg tagacactga aaaaaactga tcttctcctt tctgggcaaa 180
 gtatgacaag ctggaggcaa gtatatTTTT taccatcaga ccttagatgt aactgcgatc 240
 gtatatccat ctgagctaga tcttgacaag tattcaaact atctttcgtc ttgccttgaa 300
 tgtaagagg cgtcccaatg acactatcac atatattttt cttcacatgc ataacattaa 360
 tacaatgtct aacatctaga tcataccagt acgcaagatc aaacaaaatc gacctttttt 420
 tccatatgca aggcttactt 440

<210> 7818
 <211> 305

<212> DNA
<213> Glycine max

<400> 7818

gatgcccata ctagagcaca gcacgttctt tacagaaggg agtagttcat gtcacacgcg 60
cgtgaactat ttactcaagt agtagacggc gcgctctctt ttcccagact cgacatgttg 120
ccccagcata caccctattg acttgtccaa aatcgtcata tacaagatga gaggtgttcc 180
gggcaccggc ggccgaagca ctagagggat tatgaggcac tgattgatcc tgccatacgc 240
ctctagacag tccttgatgc aacggatgga ttggctcttg cataacagct tgaacaacgg 300
ctcac 305

<210> 7819

<211> 382

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7819

agcttctcct ctngaagctn ctattgcnc tttttccaa ataggcactg ngngngctc 60
tggaatctgt gccctttctt ctgcctacaa tttgtctaaa agtttgtaaa agtgtgtgtc 120
aaagtgtgtg taccctaatt ctgcacaaga taggctttaa ataagctcta aattcacgac 180
gttgcgctta gcgccaccct atctgatgca agctccatta gagctttag gcctaggatc 240
ttcttcatca atggattcct ttgcttcttg gaagatgaat ggcagcggaa tgaagaaagg 300
aagagagaga ggagacgcca cttcaaggag aagatgagtc tagaagaagc tcaccaccat 360
aggaggccat ggataagagc tt 382

<210> 7820

<211> 466

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7820

tatgctgcan acatctacaa tagatctcct caacctcatt tagttaatca gccacaacag 60
aacaattatg acctctccag cagcaggtag aatcccgggt gg'aggaatca tcccaacctt 120
agatggtcga gtccttcaca acaacagcaa caacaacagc cttattttca gaatgttggt 180

ggcccaagca gaccatacgt tctccacca atccagcagc aacaacaaca acaacaacaa 240
 caacaatagc cccagaaaca acaaacagtt gaggccactc cacaaccttc ccttgaagaa 300
 cttgtgaggc aaatgactat gcaaaacatg tagtttcaac aagagaccag agcctccatt 360
 cagagcttaa ctaatcaaat gggacaattg gctacacagn taaatcaaca acagtcccag 420
 aattctgata gattaccttc tcaatctgtc cataaatccc aaaatg 466

<210> 7821
 <211> 435
 <212> DNA
 <213> Glycine max

<400> 7821

tcaagtgtat ccttattatg ccattgagat tctgaatttc ctgtacgaac gttccaagct 60
 aaggttttat tggagatatt ccttattgct taggtttgca tatcatatcc caaaaaataa 120
 taaatttatg attaaataat ataaacatat taaagtacaa agaaatagac atcatattta 180
 tatatcatct ctatatatta tcatctttcc attctttaca gctatctttc aatattttta 240
 atactcattg atatattgag aaatgtttta aaaagtaaaa tattattata tttgggttaa 300
 attcttattt taagcatatt acattggttg tgtggaaatg gatcactgga caaatcaata 360
 tgacaaaaga aatgttcatg gaagtatgct aattgataag caataacctg atggcattga 420
 tgggataggt tggta 435

<210> 7822
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 7822

ttccagaacc attctccccg aagcgtttca aggtgccaaa gatgacttca ccatgcagct 60
 tgcattggtg tggaacacaaa tcaaagcgcc actgattgtc ccgttgctga gactagcagt 120
 gtttctgtgc ttgatcatgt cgggtgatgat gttcattgag agagtctaca tgggcattgt 180
 catcactctg gtgaagttgt ttgggagaaa gccagagaaa cgttacaagt gggagccaat 240
 gaatgacgac attgagttgg gaaactcttg ttaccaatg gttcttggtc aagtccccat 300
 gtacaacgaa agagaggtac tattaccaat aaggcaataa cttagttttt tttctcatc 360

<210> 7823
 <211> 351
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7823

agactcaagc ttcttggggg tggctggcta ttatagaatt ttcacgaag gtttttctaa 60
 attggcatng cccctaacta agttgactcg taagaatgag aagtttggtt ggaatgagaa 120
 gtgtgagcaa agtttccaag agttgaagag gcggttgacg acagctccag tgtaatttt 180
 gcccgaacct aagagaacat ttgaagtgtg ttgcgatgca agcgggcaag gcttgggggtg 240
 tgtgttgacg caagagggaa gagtaatggc ttatgcttca cgtcaattac gtcctcatga 300
 agttaactac ccgacccatg acttgggaact agcagcgggtg gtctttgcct t 351

<210> 7824
 <211> 352
 <212> DNA
 <213> Glycine max

 <400> 7824

tcatgcttaa gtatgtatgg caaaacttca ttactgttgt tttagacata caagtgaact 60
 tgtaacaaat cttctagact tggagtgatc acatgcagtc ctcttgaacc cttgccaccc 120
 actctatcat catgccgaga cttagaaagg ccaacagggt tagccttctc aatatattct 180
 tctgcaatgt acctctcaac aatagatgct tctggatgat atagattctt tgtataacct 240
 tttaagatct tcatgtaccg atcaaccggg tacatccacc gcaaataaac aggaccacaa 300
 catttgattt ctctgactag atgcacaatc aagtgaacca taatgtcaaa ga 352

<210> 7825
 <211> 326
 <212> DNA
 <213> Glycine max

 <400> 7825

tgaagctcaa gaaaaatttt gaagatgttt tataagaagt tgtggctttt agatgttatt 60

agcagcttca actaccccat tcatcttggg cctgtatggc gtggaattat ggtgttggat 120
 cctgaaatcc tcacacattt ccttcatcat tttgttggc agattggtgg cattatttgt 180
 gataatcttc ttgggcaacc cataccggca gattatctct ttcttaatga acttgaccac 240
 cacactcctt gtcacactgg catatgaagc agcttcaacc catttgggtga agtagtcgat 300
 cgcaacaaaa atgaagcgac gtctat 326

<210> 7826
 <211> 356
 <212> DNA
 <213> Glycine max

<400> 7826

ctacatatta ctacagctt tatecttta aaagattaag agtttttctt tactaaaaatg 60
 ttttatcctt tcaaaaagat tccttgggtca accacttgca tattcaataa ggaattttga 120
 ttggtcttca ttttacaatc taactctttt aagagagacc tcttcttctc ttcttcttat 180
 ttctgaaaag ggattaagag accgtgggtc tcttgttgta ggggattctt gaacacaagg 240
 gaagggttat ctctgtgtgt attgttaatc caaagagaga gtgaaagttt aattggggaa 300
 tagtctttgt ttctaaattc aacccccctt ttttctgagg ccatttgtcc aacatc 356

<210> 7827
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7827

agctttgggt tcgatggccc ctatgacatc tatccccac atggaaaaag gccaaagggc 60
 ggacatgaca ttcaaaggat gtggcggaac attgacattg tctgcgtacg cttgacattt 120
 atggcatttc cttacatggg tgcagcaatc gctttccata gtgagccagt aataacctgc 180
 tctaaggatc ttcttgcca tagcatgccc attggcatgt gtcccaaag aacccccatg 240
 gacttcctca atcatgtaat tcgctctttt ggcattctacg cagcgtaaga gggtcattgt 300
 tttgtttgta caggacggta ccaactcaca agaaaccagt agccaatctc cttaacgtta 360
 tnttgtcatt gtcggaaatc cctgggtggat attctttgtt ctcgacata 409

<210> 7828
 <211> 327
 <212> DNA
 <213> Glycine max

<400> 7828

tctggtgtgt acatcttgac ttgctttcct atctgacatt caccacagat tctgccttct 60
 tctattttca gattgggaat gcctctaaca gcacctttgt caatgatttt cttcatgcct 120
 ctttaagtga gatgtccaaa tctttgatgc catattctga cttcatcttc tttggagaat 180
 agacatgtgg aggagcaact ggtttcttga ggtgtccata ggtgacaggt gtcctttgat 240
 ctgctgcctt tcattagaac ttactcttc tcatttgta ccaagcattc ggactttgtg 300
 aagattccat ggaatactat catcaca 327

<210> 7829
 <211> 403
 <212> DNA
 <213> Glycine max

<400> 7829

ttcttgacca ggaattattt gtgtgggttg gatgttgaat tctggttgtt cctggtgagg 60
 agatgatggt acagagggtg aaccaggagc tgaagtttct tttggtgagg tagccatgga 120
 aaagcagagc gtttggaaatg atttcgtaaa tttctgagag ctggtgggga atgcagacaa 180
 tgagattaac acgaaaatat aagtttgaat gaggaatgta gagggacgtg tgaatcaacg 240
 cgcgaaattg ctttggttca gtagtgaacg tgctattaat gttaagtgat tcgtttgggc 300
 acgttcagat atcagtagtt gctacaattc ctctagcaga caaatgccca gcttgcccct 360
 cagtatttca aactgttttg caatcaatgc ctttgtgaaa ata 403

<210> 7830
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7830

agctttacgc agtttccttg gattgggtggg attctataga atatttattc gaggttacat 60
 gaagattgca gctccccctt catagttgct gggcaatggt cccttccggt ggacggagat 120

ggcgactgag gcgttcaaca cactgaaaaa agcagtatcc acagcaccag ttcttgcat 180
 acccaatttt gatgtcccat tcgtggtgga gaccgatgcy tcgggtaccg gcgtcggggc 240
 agttctttct taggtgggcc accctatagc attcttcagt aaggagttct gccccaaact 300
 ccgagcttcg tctacatata tccgtgagct tgcagctatc acgatggccg ttaagaaatg 360
 gcgccactac ttgctgggtc antcctttgt gatcctcact gatcatcaaa agttg 415

<210> 7831
 <211> 355
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7831

ctcacgctta acatccccag actggccttc aacgggtttt ctctctnngt tgtctgcgct 60
 atngacaagt tacagtctaa caatactaac tctgaggaat attcctcttt cattccgaat 120
 cttccgcata ctatcacgtt aaacgcaaca ccaccgaaga tattgaccga gttcatgaag 180
 ccactgctgg aaacagagct caaaagctac ggcttaatcg tcaacgactt tgcggaactc 240
 ggaggagaag agtacatcga gcactatgag caaaccacgg gtcacaaggc gtggcatatt 300
 gggccagcgt ctcttatgtg caaaagaagc cttgaagaga aagcggagag gggac 355

<210> 7832
 <211> 359
 <212> DNA
 <213> Glycine max

<400> 7832

aactcaagct tatacaatat ataataaaag aacaatgact tttgaagagt cttttcatgt 60
 ttccttcgat gagtctaagc ccattcttcc aaggaaggat ttttttagatg atatttcaga 120
 ttccttagaa gatacacata ttcattgaaa tcattctaaa gaaaaagacg aaggaagaaa 180
 tgaggattct caagataatg gggctagagg aaataatgaa cttccaagag aatggaaagc 240
 ctcaagagat catccctcgc acaacattat tggatgata tcaaaagggg taacaactag 300
 acactctctt aaagatttat gcaataatat ggcttttgta tctataattg aacctaaa 359

<210> 7833
 <211> 371

<212> DNA
<213> Glycine max

<400> 7833

agcttgacca ggaattatct gtatgggttg aatggtgaat tctggttggt cctggtgcgg 60
agatgatggt acagcgggtg aaccagaagc tgcagtttct tttggtgagg tagccatgga 120
aaaacagagc gtttggaacg atttcgtaaa tctcggaaaa ctattgggaa atgctggtaa 180
aaacacgaat gccaaacaga tataaatttg aatgaagaat gtagagaggc gtgtgaagca 240
acggtcgaat ttgctttgtg gtgaacgtgc tattaatgtt aagtgattcg tttgggcacg 300
ttcagattgc agtagctgct ataattcttc tagcagacaa atgccagct tgccctcag 360
tttttcaaac t 371

<210> 7834
<211> 355
<212> DNA
<213> Glycine max

<400> 7834

tggatatctg gcagcagaaa aacaagtagt tgagaactaa gtaaaaggaa atggcttcct 60
caatgatctc ctcccagct gttaccaccg tcaaccgtgc cgggtgccggc atgggttgctc 120
cattcaccgg cctcaaattc atggctgggt tccccacgag gaagaccaac aatgacatta 180
cctccattgc tagcaacggt ggaagagtac aatgcatgca ggtaagacaa ctccacacat 240
atatacacac aagaggcacc aaaaagttaa aaattcatct tacacattta tatatgctcc 300
aaaatgttac ttaatttaac atgttagtca taggttactt aaattaacat gttaa 355

<210> 7835
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7835

agcttgtagg ccttggtatc tcttcatcaa tggagtccta tgcttcttga attttaatca 60
caggggaatg gagaagaaga agagttgaga ggagacacca cttcaaggag aagatgagtc 120
aagaagaagc tcaccaccat agaaagccat ggataagagc ttgaaggtag aagaagatga 180

atggagggag agggagagaa ggagcacgaa attttatgcc tcaaaagagg tctgaacttt 240
 gaagtttaat tctcaaatga tcaaagttga aaaaattcac acacatggcc tctatttata 300
 gcctaagtgt cacacaaaat tggaggggaaa tttgaatttc tattcanatt tcacttgaat 360
 tttgaaatga atttgtgaag ccaaattttg gagcccaaat ttcactaatt atgattag 418

<210> 7836
 <211> 337
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7836

tccgttttca atttcgagtc gtctnngata tttacagggc tcgatcagat atccgagtta 60
 aaagttattg tcgtttgact tttcttagag cttccgtttt caatttcgag cgtcttaata 120
 tattacaggg ctgatcaga catccgagtt acaagttatt gtcgtttgac ttttcttaga 180
 gcttccgttt tcaatttcga gcgtctcgat atattacagg gctcaatcag acatccgaga 240
 taaaagttat agtcgtttga cttttcttag agcttccgtt ttcaatttcg agcgtctcga 300
 tatattacag ggctcgatca gacatccgag ttaaaag 337

<210> 7837
 <211> 350
 <212> DNA
 <213> Glycine max

<400> 7837

atgcttgaga aaattctaac gtcaataact ttttaactcg atgtctgatc gagcccagta 60
 atatatcaag acgctcgaaa ttgaaaatgg aagctctaag aaaagtcaaa cgacaataac 120
 ttttgactcg gatgtccgat tgtgtcccct acgatataaa gacgctcgta attgaaaacg 180
 gaagctctga gaaaaatcaa acgacaataa cttttaactc ggatgtccga ttgagccctg 240
 taatatatcg agacgctcga aattgaaaac ggaagctcta agataagtca aacgacaata 300
 acttttgact cggatgtccg attgagccct gtaagatata gagacgctcg 350

<210> 7838
 <211> 404
 <212> DNA
 <213> Glycine max

<400> 7838

agcttgtttt tctagtagtg ttagatgtct tgcataata tcaaaaacta tttattttat 60
ttcgttcata acttaatcaa ataaatttta aaatatgaaa atcatttctc aatttttatt 120
tgaatcttaa tagttgaaaa ttttaaaaga taatgaattg agagaaaatt gattatattt 180
tgtaaaaacta atttaaaagc tacctgaaag ctggaaaact aattgaaaaa tgaaaaatta 240
gcagcttgta accaaaagtt gaaaactttt aaattaactt attaaatcac aagtgtttga 300
taaaactata tggtgaagta gttgaaaaat gtaaatgac aagaatagaa acatttatat 360
gatattttat ataaatttta attttatttt atgggataaa tatt 404

<210> 7839

<211> 343

<212> DNA

<213> Glycine max

<400> 7839

gaacactcaa gctttagatg aatatactta atgtacataa tttatatttt tataacatga 60
atacactaca aaagttttaa aaaatcgcat catatattct tataccctag ccatgaaatt 120
ttattttata ttaattcatt ttctattgca tcaacatctt tttttacaca aataagaata 180
tgaatataat aatattaatt ttcagaagtt actgatttgt ttgggtaagg acttgggcaa 240
agaaaagata attaaataaa aaaatttact caatgtgata ccgtgcaagt gaaaacaaca 300
ccaggacacc taggagtacg taacaggaca tgccacataa tgg 343

<210> 7840

<211> 406

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7840

agcttacaaa ggggctcatc aactccttga gtgaaagtag caatcactgg cttctttnga 60
ttgatcttgg attaaggga aaatctattc aagaaattgt cacaaagccc atccaagtc 120
aaaggaaagc taggaggaat agcttggtac caatgctcag ccttgtcagc aagtgaaaat 180
gagaaaagac taatacaaat gaaatcatca tccacttgat gaatcttcac tgtattgcaa 240

atatgcacaa aggtagtcaa gtgggcataa tgatcttcat aatcaaagcc atgtaacttg 300
 ttttgttga ccaatccaat gagagatgcc cttatttcca cattgtgagc caccacttca 360
 tgttgga aaa caagtgaatt gggctctagt ctagctagcc tctcta 406

<210> 7841
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 7841

agcttcttcc ccatgagcag cctcatcacc tatctccata tcttcttcag acattctcaa 60
 cggaacaaaa attctaata gaaggcaaat caaacttggt ctgataacat tgacaaagat 120
 aacaaagata atcccaagga tttggacccc catttgccgt aaccgggtac tgaccttctt 180
 cgaacctaaa ccataaaaga aaccaacgta ttgaccatca gttccataga acaatttggt 240
 aagtcttga tcagcaaaga gtccagtga gagtcttctt aggggttctt caatggcatg 300
 agtgtgaac actgccattg tatcatcaac cttctgcagt agctttgatc tcttatggac 360
 caccatcatg gtgaaccatg gaattgagcc agataacact cccatta 407

<210> 7842
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7842

agctttccct cttcatagaa caataggggc ctaaagaacc attgccctga tgagattatg 60
 actatgtcaa agttttcaac caggcttggt catgcttcat ctgcctcatc cacatacagc 120
 ttcattgatg tgtttaggt gtggcctctg gggcttgcac cactggatct cacaaaatat 180
 ggagaccaca ggtttccaag tgtgaaattg taatcatgat agaaataacg tttgaagtat 240
 accacatctg aagagtattt gtgagaaaca tctcagggt cagacaccta aaaaaagtaa 300
 aaccacataa gcatgtttta ggattgttat cttcatgagt aggactnttt taacatgacc 360
 aaggtttaaa aaacagttca cg 382

<210> 7843
 <211> 353

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7843

atagaacctc aagctnatac agaaatacat attttccagc aacattttga tggcactaca 60
 acaatacaac atacatcaca tggaaatatt agattacagc cagacacaat gcatagatgc 120
 tactgtgttg ggtgctttgc tacattgccca catgattttc tggtagagga actgttttga 180
 ggggatcaaa ttcaataaag aatgtccgaa tctccatcgg agcaagttca accaccaact 240
 tcgtaggatc aacaggctct cctctcacca ccttcgggtc ttcagtggag ccttctacct 300
 tccaatctag cttcctcttt tccatttgag ctctttcttg attagcagac aaa 353

<210> 7844
 <211> 370
 <212> DNA
 <213> Glycine max
 <400> 7844

agcttgagct tatttttagat gaccaatttt aaaaaacaaa cttgagttta aagaaaatgt 60
 tgtcattggc caaaatagat tatttagtga ggattaacct atctagtacc aacttctaga 120
 ataatatctg aatatgccca aatattttta tggtcgaaaa gttaatgaga tatttttctt 180
 tatgattcaa cttaaagata gaacaattta agtaaaatat ttggaatcaa taaaatgttg 240
 ttggctgaaa ttaattatac gattaatttg ttttagataa attgtatgat tgattcttta 300
 ccattattat ttactagtcg gtaaccgta catacgcacg ggtgggtccg ccaattgatt 360
 tttgatgaat 370

<210> 7845
 <211> 354
 <212> DNA
 <213> Glycine max
 <400> 7845

tacgagcgac tcgatatata atgcacatgg atcggacctg tgtttgaaaa ggtttgacca 60
 tttgaatttc tcgagagcgt cccttggtca atttcgagcg tctcgatata ttatgcgcct 120
 gagtcggacc tccgagtga aaggtatgac cattggaatt tctctagagc ttccgttggt 180

caatttcgag cgtctcgata tattatgcgc atgagtcgga cctctgagtg aaaagttatg 240
 accattggaa tttctcgaga gcttccgttg atcaatttcg agcgtctcta tatattatgc 300
 gcctgaatcg gacctccgag tgaaaaggta tgaccatgcg aatatctcaa gaggc 354

<210> 7846
 <211> 360
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7846

agctntggag aaccaagcca atcagaatgc tagacgaaat attatgggaa tagaggtaac 60
 aatggcggta atgacggacc gaggcagaac cgggttgagg gagtaaagct caatgttcct 120
 cccttcaaag gtagaagtga tccagatgcc tacctggact gggaaatgaa gactgagcac 180
 gtatttgcct gcaatgacta cactgatgcg cagaaagtca agctagcagc agctgaattc 240
 tccgactatg cccttggttg gtggcataaa taccaaagag aaatgttgag agaggaacgg 300
 cgagaggtag atacatggac tgagatgaat aggggtgatga gaaaaaggta tgtgcccact 360

<210> 7847
 <211> 345
 <212> DNA
 <213> Glycine max

<400> 7847

tgcttgaac ttcctgggat ccctttgtcg ttgtcttccg gttaggggtga agcttaagga 60
 gaaccaatc tcctatctgg tagttcactt cgcgatgttt cccatcaact tggcttttca 120
 tagcagctta agccttgaga agcttatttc gaatagcttg gaaagtgtta tccctatcag 180
 tcaacatctc ttcaatggcc tcaatgttcg aagaccctgt aatatattct ggaaagttaa 240
 agggtttttg gcaaaaggcg acttcataag gagggtctcc agttcccggtg ttccatgaag 300
 tattgtggga ccattcgacc cacgggagga gcttccccca caagc 345

<210> 7848
 <211> 365
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 7848

aaactcaagc ttnggaaaat gatttctata caaaagttag ttttataaag ngttttacag 60
tggtcgacaa aagcggggct tttgctccta cgtatcctta atttgtgata aggaactcag 120
acctacgtag ttcttgcaag cgggtgtgaga ctaaaatagt ctcggtgttc tttcactaaa 180
atgcgaacat gctttagtaa agaaacaaaa cctctaacta attagagcaa catattaatt 240
ttggagaaaa acaatgtgtc tattggagaa ggagagtatg ttgataaaaa ttttcttgta 300
accacaaatg agattttgga tgttagcgtt ttgtttctaa acaaccattt agaggaaaca 360
ctggg 365

<210> 7849

<211> 368

<212> DNA

<213> Glycine max

<400> 7849

ctctaagtca cctgcggctg cactctactt atcaaagaa ctctgatacc cttgtgacat 60
gcctctgatt ctaagaagag ggggggggtg aattaagata tcacaactta tttccccaat 120
taaaattcta tttcactttc tattcaagtt ataaattccc ttaataatga atttcttaaa 180
tattgattca aatacaacaa tttgaatatg aatataaaac aataataaat aaaggagttt 240
aagggaagag aaaatgcaaa ctcacattta tactggttcg gccacaccct tgtgcctacg 300
tccagtcccc aagcaactcg catgagagtt ccactatctt ataaattcct tttacaagtt 360
ctaaacac 368

<210> 7850

<211> 353

<212> DNA

<213> Glycine max

<400> 7850

gcttgagaat ggaggatttc cttgagggtc ctttcttagg caattttgga actttactcc 60
aaactcaaaa atggaggaca catgaatgac aacgccattc attcatgggg ctccgaaaaa 120
gggtaagaat ggaggatttg cttgagggtc ctctcttagg caatcatgga acacaactcc 180
atactctaaa gtggaggacc cacgaacagg cctaagcaat agcattcatg tggctccgaa 240

aaaggatgag aatggaggat tgccttgagg gtcctctttt aggcaatcat ggaacacagc 300
 ttcaaactcg aaaatggaag acacatgaat gacaacgcaa ttcattcatg ggg 353

<210> 7851
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 7851

tgcaagcttg aatcggacct cagtgtgaaa agttatgacc atttgatatt ctcgagagct 60
 tgcgttggtt agtttcgagc ctctcgacat attatgcgcc cgaatcggac atcogtgtga 120
 aaagttatga ccattagaat ttctctagag cttccgatgt ttaatttcga gcgtatcaat 180
 ataataaag cctgaatcgg acctcagtgt gaaaagttat gaccatttta atttcacaag 240
 agcttctggt gtccattttc gagcgtctct atatgtgatg cgccttaatc cgacatccgt 300
 gtgaaaactt atgaccattt gaatttcttc agagctctcg ttggttaatt acgagccttc 360
 tcacatatta tgcgcccga tcgga 385

<210> 7852
 <211> 342
 <212> DNA
 <213> Glycine max

<400> 7852

tgtaagattt gcaagatcat ctcccttgat tactccttga aaattattgc catcaatcca 60
 aagagatgac aatttagaga gtgatccaag actttcaaat ggatttccac tgaatttatt 120
 aatagagaga tcgagaaatg ttaaattctat ctcccttgag ttgcggagat ttccccaaaa 180
 agtcggaatt gttccttcaa gttgattata tgacaaataa agtgcaacaa gagaagtcaa 240
 atttcccaaa gaagttggaa tggttccttc aagttgatta gctgataaat caagttcaac 300
 aagagaagtc aaatttccca gggcatcaga aatagtccca tg 342

<210> 7853
 <211> 373
 <212> DNA
 <213> Glycine max

<400> 7853

atcttcttcc ggaagttagt tttttaaaaa aaatatattt tattttgtaa taatttactt 60
 ttaattggat aaaataattt ataaaaaat taatactatt atacataaat aattaaataa 120
 ttagtgaacg taattatgac taatatttat aatttgtttt ctacgcgcac gtcaaatatt 180
 aattgtgtga caatttagta taatttaaatt cattaaaatt aattaatgag tacattttat 240
 taaaaaatat aaatatttat tatgataaca ttaatttttt attacaaaag ttatattttc 300
 ttaacaaaat gatatttttt tgttaccaaa tggagaataa aagaattttc atttttatta 360
 ttaggtaaaa taa 373

<210> 7854
 <211> 350
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7854

atctttacag cagatgccac tctactccaa attcttgaag gatatgttaa caaggaaaca 60
 taagtacatt caccaggaaa acattatagt ggaaggaaat ttagcgccta tgattcaaaa 120
 gatcgttcca cataggcata aagaccctgn gagggttaact attccttgtt caattggaga 180
 agtcactgtg ggaaatgctc ttatcgactt aggagccagt ataaatttaa tgccactctc 240
 catgtgtaga aggttggggg agttggagat catgcccact aaaatgactn tacaactgac 300
 tgaccgctct attaccatac catatggagt aattgaagat atgctgggtca 350

<210> 7855
 <211> 343
 <212> DNA
 <213> Glycine max

<400> 7855

tcaagaatta tggcctcatc aaactacttg tttcccgagg gtaattctat taatagacct 60
 cccatcttta atggagtggg ttaccactat tggaaaaccc gcatgcaaatt ctttatagag 120
 gcaatagatt taaatatttg ggaagccata gaacaaggac cttatgttcc ctctatagt 180
 gccggaagtg caacaataga aaaacctaga gcagattgga ctgaggaaga aagaagatta 240
 gtacaatata acttaaaggc caaaaatatt attacatctg ccctaggaat agatgaatac 300
 tttagggttt caaattgtaa aagtgttaag gatatgtggg ata 343

<210> 7856
 <211> 350
 <212> DNA
 <213> Glycine max

<400> 7856

tgtagcaaat gcaaacggca ataacgtttt tctcggatgt tttattgagt cacgtaatac 60
 atcgaaacgc tcgaaattga aaacagaagc tctgtgcaaa ttcaaacgac aatacatttt 120
 aactcggatg tccgattgag tcccgtata tatcaagaca ctcgaaattg agaataaaaag 180
 ctctgaacaa attcaaacga caataacttt ttactcggat gtccgattga gtccagtaat 240
 atatctagac actcgaaatt gagaatagaa gagctgagca aattcaaacg acaataactt 300
 ttactcggg tgtccgatgg agtcccagagc gtctcgatat attatgcgcc 350

<210> 7857
 <211> 236
 <212> DNA
 <213> Glycine max

<400> 7857

agcttaactc ggatgtccga gccgcgctca taaataatcg agacactcga tattgaataa 60
 cagacgctct cgagaaattc aaatgggtcat aacttttcac acggatgttc gattcggggcg 120
 cataatatgt cgagacgctc gaaattgaac aacggaagct ctcgagaaat tccaatggtc 180
 ataacttttc actcggagga ccgattcagg cgcataatat atcgagacgc tcgaaa 236

<210> 7858
 <211> 340
 <212> DNA
 <213> Glycine max

<400> 7858

tatgaatgca tatgtacta gcattcctga ggcttctaata ctagcaactg gagcatatgt 60
 ctctcataa tctattccct cttcttgatt atatcctttg gtgactaatc tagccttatt 120
 ccttataact atgccatttt catctaattt atttctaaat acccattttg ttccaatgat 180
 tgggtagttt tagggtttct cgactaactc ccaaacatta tttctttcaa attgggttag 240
 ttcttctgc atagctatta tccaattttc atttattatg gcttcattta aatttttagg 300

ttcaatcata gatacaaaat catgttattg cataaatctt

340

<210> 7859
<211> 347
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7859

agcttatgct gcattcattt ataatagacc ccctcagtag caaaaccaac aacagcagaa 60
taattatgat ctttcaagaa acagatacaa tccaggttgc aggaatcatc caaatctgag 120
atgggcaagt cctccacaac aacaacagtc tatccctcct ttctagaatg ctgctggtcc 180
aagcaagcca tatgttcctc ctccaatgaa gcaacagcag caacaacaac aaagacaaca 240
agcaattgag gcccctcctc aaacttcctt agaagagtta gtgaggcaaa tgaccatcca 300
gaatatgcaa tntcagcaag agacatgagc ctncattcag agtctga 347

<210> 7860
<211> 334
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7860

taataatatt cctgaaactt tagttttttt tagaaccgng atggatgacg tcttgtgatc 60
tatgtatccg atctcaccta ttgggataaa agcttagttg ttgtttcaat tatcatattc 120
agtttttatt tgacgatttc tcatttttat gcctttggta ttcaatttta ttccatgtgc 180
ctaaccaaag tatcttggtg tgtattttaa ttttgttttc aaggcaaggt tcctctatta 240
tctgtggagg cactgcatca ccttcataca tttatttttg tcctaacttg ggcccatgtc 300
acattttgtg ttctcactgt tggttttgga gggc 334

<210> 7861
<211> 334
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7861

agctttgatt tcctttgttc cggaaacctt tgttttctca tgtgcaccca aacccaatct 60
 ccgggttcga agacaacctt ctttctccct ttgttggtt gtttagcata gcttttactt 120
 ttcctctcaa tttgatcttt gactctctca tgatgcttct tcacatagtc cgcctttgct 180
 tgaccttctt tatgcttaaa aacagaaaca ttaggcatag gcaaaagatc aagaggagtt 240
 agtgggttaa aaccataaac aacttcaaaa ggaaaacaat tagtggtgct atgaacagct 300
 ctattgnag caaattcaac atggggtaaa caag 334

<210> 7862
 <211> 336
 <212> DNA
 <213> Glycine max

<400> 7862

tgctaactta tggaagctcc taatatcttt cacacttttt ggggtgggcc attcttggat 60
 ggccttgatt ttctcagggt ccacttggac cccatttcta ccaactacaa aacctaagaa 120
 aactatatta tctacacaaa aggtacactt ctctatattt gcatagaggg tgtttttcct 180
 aaggactgaa agaacttgtc tgagatgtcc taagtgatca tctagcctcc tactatacac 240
 taaaatatca tcaaaataaa caactacaaa tctacctatg aaatccctta agacatgatg 300
 cataagcctc ataaagggtgc ttggtgcatt agtgag 336

<210> 7863
 <211> 307
 <212> DNA
 <213> Glycine max

<400> 7863

agcttggttca tgatataaaa agagggtgatt agagtgatgc tagctaggaa acctatgtat 60
 ttactaatgc ctcatgatta ttgtttatct tttattgcta gttctttgcc tatagggtgcg 120
 aaagaattat tgaaggagtt tggggatgtc tttcccaaag acaccctca tggggttacct 180
 cctttgagag ggatagagca ccaaattgat ctcatgccga gagtttccat accaaataga 240
 ccaacatata gaagtaatcc aaaagaaaca aaagagagcc aaagacaagt ggaaagcttg 300
 atggaaa 307

<210> 7864

<211> 300
 <212> DNA
 <213> Glycine max

<400> 7864

cttaagctag aacggccatg gtgattggga agaagataat ttcatttggt gtatgtaaac 60
 tatgtttcta atgttctttc caaaaatgat ctttgcttca ataacatgat ttgtaagtct 120
 tgtgactatt aatctagttc cattgcagag gcctttagat tgatctagat tcttcaacaa 180
 cattattgga gttccatttt taatttgatt ctatgattac gaacccccaa tatctctaatt 240
 tctttcacaa acttcacaac aactacctct acccaggtgt tatcaattgc atcatacatg 300

<210> 7865
 <211> 267
 <212> DNA
 <213> Glycine max

<400> 7865

tttttatatc aaaataagct tgatcgatac ataagcttat ttatgtaact tatttttcat 60
 aaactacttc aattagttta ttttggtaat tcacttaaag taatttatgg aaattaataa 120
 gttagttggt actatTTTTT tcttaacctt actcatatta gtttattaaa ttcaatttta 180
 ccattttatt taattaaaga cactcatttt acccttttat tcgattttaga aacactcatt 240
 ctttttgctt tgtaactaaa aaaaccc 267

<210> 7866
 <211> 348
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7866

agcttatagt cattatttgn tgtgaaccat aagccanagc tgattattcc cttgagataa 60
 gcagtgggtg gagtctccat gtatcgactg atgagtctag tagcatatag aatgtttggt 120
 cttatgcaca tcaaatatca taaactagtc accaaactct tgaaatttgt agcatccacc 180
 ttttttgctt cgtcgaaatt tgataacttc attttgaca ccatccgtgt tccaattggc 240
 ttccaactat ccattctgaa tttcttgagc atctctttat catagttttg ntgngaaatg 300
 aaaattccat cttccttctg ctttacctca atgccaagat agtatgac 348

<210> 7867
 <211> 296
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7867

 agcttgaaat tgaacaacgg aagtttctcta gaaacanaaa tggncataac ttatcacacg 60
 gacgtgcat tcacgcgcac aaaatatcga gacgctcgga atcgaacatc gggagctctc 120
 gacaaaagac aacggacaat aactatcaca cggaaccccg attctagcgc atcacgtatc 180
 gagatactct gaagtgaaaa ccggaagctc tcaagaaact caaacggcca taacctgtca 240
 cacggaagac ccaatcaggc gcataatata tcaagacgct cgaaattgaa caacga 296

<210> 7868
 <211> 292
 <212> DNA
 <213> Glycine max

 <400> 7868

 gttctcaatg ctctgttcaa gctctcccat ttcctagagg tttatctagg atctctatca 60
 gatactatgc tagatggcac accatgtaac ctgacaacct cacttatata caaggtagtc 120
 aacttttcca aggaaaatct gatactaatt ggaatgaagt gagcagactt agtcaatcta 180
 tcgacaataa cccatataga atctaaacct ctacgggtcc tacgtagtcc taccacaaaa 240
 tccatggaaa tactgtccca ctccactgg ggtatctcta aggggtgtaa ct 292

<210> 7869
 <211> 345
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7869

 agcttgcatt ttaaagcata atttccccac tctatangct gataatctaa ccaacattcc 60
 ctactacct tctgaaattg cttgttcatt agccatccat cataaacctt aaaagggtta 120
 gggccccaat cactgcattt agaatgcatg ataatacgac agtgatcaga ataattcctc 180
 tcaagggtta attgggagct atcaggccat ttggacaacc atccatcaga gacacacact 240

ctgtccagtt tgcttttgca ggaaccatta cgcctaacc aagtaaagg tttacccaca 300
caaggaatat catcaacctc cattgcagca agccaatcat tgaaa 345

<210> 7870
<211> 290
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7870

ctcctgttct agctntaccc gattttactc aaccttttga agctgaatgc gacgctagtg 60
gagttggcat tggggctggt ttgatacaaa acaaaaggcc tatagcttat ttctcggaga 120
aattgggagg agccagattg aactatcgca cctatgacaa agagttctat gccattgtga 180
gagctcttga tcattggaat cattatttgc gttctaata ctttatatcg cattcatatc 240
atgagtcatt gaaatatatc aatgggcctc acaagttgag tccaaggcct 290

<210> 7871
<211> 321
<212> DNA
<213> Glycine max

<400> 7871

agctttgaac aaattcaaat gattataact ttttatcgc aggtccgatt gagtcccgtg 60
atatatcgag acgctcggaa tggaataccg aagctctgag caaattcaaa cgacaataac 120
tttgactcg gatgtctgat tgagtcccgt aatatatcga gacgctcgaa atggaatacc 180
gaagctctca gcagattcaa acgacaataa ctttttactg ggatgtttga tcgagcgtcg 240
taatatatcg agacgctcca aattgaatac cgaagctttt agcaaattca aacgacaaca 300
actttttatt cgatgtctg a 321

<210> 7872
<211> 320
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7872

tgggatgatt ctcatctca tcttagtagt aggcgtttgc atngnatgga ctcatcggtg 60

gcattataact ntcttcacgt gctggccaat ccagagctga ttagtataaa atttcctgtt 120
 tgctgcgcac agaaccatga attggatggt gaatgtcgcc ggggactaag tcatgtcaag 180
 agtgtaactt tgtgatgctc tgcacccgtc ttatgataaa attgaggtta tctctgaaat 240
 aaagtgcctc aaacgactta ttttccattc attggatcta atttgagtcc caactacatt 300
 agagatctct gtaataaaac 320

<210> 7873
 <211> 268
 <212> DNA
 <213> Glycine max

<400> 7873

caaaacgcac tagagcgtgt tcttggatat ctaaataaaa tcccatcata cggacatcga 60
 gaagttctga tcttataatt cgctctcagt acatgtgac cttggtgatct catggaaacc 120
 atccagaaat gcaaaaagag taaaataagg tgctcagtc ttggtcttgc agctgaaatg 180
 tttgtgtgca aacatctctg cgaggaaact ggagggactt attctgttgc actacatgag 240
 gttagcttgt tgattttgat gatccccct 268

<210> 7874
 <211> 363
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7874

tgaaggacat gcacaaagtg tgactatatg atgtggcaat ggggtgtagc aagcaaatgc 60
 tcaccttccc cttaggctgg accaaacttt aattgggttg ggcttctccc aattcaatta 120
 aatttatctc ccaacacaca tcaaataagg cacttaatgc atgtgaaatt acaaaaactac 180
 ccctaacca naaactantc taggggccct ataatacaag agctaaaaaa tcttacatta 240
 ctagggtacc ctccctacac tatggagccc taaatacaag tccccaaaat aatgaaatcc 300
 taatctaata tgtaccaaga taagtggctc catacttagc ccatggacc aatcttcttg 360
 gag 363

<210> 7875

<211> 319
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7875

accactccca ggggtgctgga atttcttcac attgtctcga tgggtgccta tgcattgtga 60
 aagccttggga ggaaagaggt atgcctatgt tgttggtgat gatttctcca gatttacctg 120
 cgtcaacttt atcagagaga aatcacacac ctttgaagta ttcaaagagt tgagtctaata 180
 atttcaaaca caaaaacact gtntcatcnn nanaattnnn antcaccatt gccnanactt 240
 tnaaaatagc cagtttactg aattctgctg gtctgaaggc atcacctatg agttctctgc 300
 agcccttaca ccacaacaa 319

<210> 7876
 <211> 353
 <212> DNA
 <213> Glycine max

<400> 7876

agcttgcttc tcttgaatat cttattcatt ttgggaaaaa atggacaaat taggtttaat 60
 tagtagggca ctaactgaaa tttaaattgaa tttgaatttg ggaatgtaag caacattatg 120
 caagactaag atgttggtta agcaaactga accaatggca ataatgggta taatgtcact 180
 attaggcaga gttacatttt tatcaaaaac aagctggtag gatctaaaat gatgaagaga 240
 gcaagtaata tgaatgcttg caccaaaatc taaaagccaa caatcatgaa gaaaattgga 300
 agtagaaata agcatactac ttgaggaatg acaacattgg tagcatgact ttc 353

<210> 7877
 <211> 337
 <212> DNA
 <213> Glycine max

<400> 7877

agcttggtat tcgagtattc tttcccagaga acgggggctg tgacgacgcc agttgaaatg 60
 ttgacactgt tacctaattg attcacgttt agtggaagcc ttgcagggtc ttttccagcc 120
 actgtctgca cagggttgct taaagaatca aagtttgagc tcgacacaaa ctcgggcaat 180
 aagtgggaact gcacaagttc gattttctgg ctttcgttta aggagttgag gaagccagct 240

ttgaggttgg aaaaggcaaa atcatctggt gcaaggatgg ttatgccacc actcttggct 300
gttatgagct gtgagatgat gttgctcatg atttctg 337

<210> 7878
<211> 285
<212> DNA
<213> Glycine max

<400> 7878

aagatttttg ttctaagatc cttacaacta acgaattcag taataacttc cttagaaagg 60
actttctctc ggaccaaag acaatcaatt tcaacatgcc cagctccctc atggaatata 120
ggatcagaac ctatatatag gactgctga ttatcacaac atagcttcat tcggtgagta 180
tttccaaaac ttcaactctt gaagttgtca atccaaatga gaccacctgt gactacaacc 240
ataactctat attcaccctt ctgcaactaa cttgcaaca acatt 285

<210> 7879
<211> 374
<212> DNA
<213> Glycine max

<400> 7879

tagctctgaa gactcaagaa atattaaaac tccatttgaa tctatgcaag aaccactgg 60
tgctcaagtc ataaagtcaa gtctgagact tagtggaac tgtactgaac tattgaaaga 120
tgatataatt attgctctgt atgcaagaga ctgttctgca cttcatgtct caaggcaaag 180
ggttaaaggt ggaggttggg tcatggattc catgtcaaat gtgtcaaaaa gagaccctgc 240
tgcacagttc ctcacatctc tcagaagcaa ggttcgtctc aaaggaactt tgcattatcc 300
aaggcactta atattattat atgccagcat gtgcttcaa atagtagttt agaatggtgt 360
aacatgtatt tttta 374

<210> 7880
<211> 254
<212> DNA
<213> Glycine max

<400> 7880

agcttttcca ccaacacttg tctgaaattc ccatcatcag gaatccaagt tctccacatg 60

gaatcattaa agggggtaac tttaacaccc ccaacagtga ccctgtgaac aacttcaaga 120
gcctgttggt tcaaaccctc aaatttctct aatttcgacg aactcaaata ctgtgctgtg 180
tcagggacaa ggtccttggg cgcggaata acctcaatgg cgttgacgaa cgccaatttg 240
gagcctttgt tggg 254

<210> 7881
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7881

gcttttagatg cctttaaaagt tttttatgcc gaagtttata aacaatgagg agagcaaatt 60
aagatcgtga gattcgatag aggtggagag tactatggta gatacacaga gaatggacaa 120
acaccagtt tatttatgaa gtttcttcga aaacatggaa ttgttgccca gtacattatg 180
tctggttctc ttgatcagaa tgggtgtggca naaagaagaa atcaaacttt aatggacatg 240
gtaaggagta tgaagagtaa tagaaaactt cctcaattct tgtggattga agtactaaag 300
acaatttgtt atatattaaa tngagttcca acaaaggttg tctcaaaaac accttttgag 360
ttattcaaag gttgaa 376

<210> 7882
<211> 347
<212> DNA
<213> Glycine max

<400> 7882

agcttggaac aaatattttg aattctttgt ccccttagag attttgtaaa gatgtttgct 60
agttgatcat tagaactaac gaattcagta ataacttctt tagaaaggac tttctctcgg 120
acaaaatgac aatcaatttc aatatgttta gttctctcat ggaatattgg attagaagct 180
atatatagga ctgtctgatt atcacaacat agtttcattt gttgagtatt tccaaacttc 240
aactcttgaa gttgtttaat ccaaagaga tcacatgtga ctacaacat aactctatat 300
tcagcctctg cactagacct tgcaacaaca ttgtgottct tactctt 347

<210> 7883

<211> 327
 <212> DNA
 <213> Glycine max.

<223> unsure at all n locations
 <400> 7883

agcttgaaat gatttcggaa tctgtttatt atncaaaggg cataacttaa taacacggaa 60
 agatcggatt caggcgcata atatattgag acgctcgtga ttgcacaacg gaagctctcg 120
 agaaattcaa atggtcataa cttttcaaac ggcagtccga ttaacgtgca taatatatcg 180
 agaagattga aattgaacaa cggaagctgt tgagaaattt aaatgggtcat aacttatcac 240
 acagaagtcc gattcacgcy cataatatat tgagactctc gaaattgaac aacggaagct 300
 ctcgagaaat tctaaaggctc ataactt 327

<210> 7884
 <211> 269
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7884

agcttgaagg actcttgctg acttctgata tggnccttat aactcaggtt agacttcatt 60
 tattcccatt gttgagtgat ntaatttgga aatgggtggc gtcttatgtc ttgttgctga 120
 tttttgtatt tttttctctt tatgtttcgg agtactggac atcttttgcy agctcttttt 180
 gagattgtct tgaaatatgg atgggcacaa ttggctaata aggctttgaa cttatgcaaa 240
 atggtgacca agaggatgta aagtgtcta 269

<210> 7885
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7885

tgccctatga cttcctgcga tccctttgtc gttttcttcc ggcgaggggtg aagcttaagg 60
 agaaccatct ctcctatctg gtagttcact tgcgatgtt tcccatcaac ttggcttttc 120
 atagcagctt aagccttgag aagcttattt cgaatagctt ggaaaggggg atccctatca 180
 gtcaacatct cttcaatggc ctcaatgttc gaagaccctn nnncatattc tggaaagtta 240

aagggttttt ggcaaaaggc gacttcataa ggagtggctc cagttcccgt gttccatgaa 300
 nnattgtggg accattcgac ccacgggagg agcttcccc acaagcctgg cctgcatgg 360
 acgaaagctt gcatatattg ctcaatt 387

<210> 7886
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 7886

aaatagatgc attggttaac ttgtgttate ccagcttttc ttgaatcata aatctgtacc 60
 tgctgcaaga gtctgtggtt tatgtctctc tgttgaccac catacagacc ttgccccttc 120
 catgcagcaa cctggagcaa ttgagcaagc tggagcaatt gagcaacctg aagcttatgc 180
 tgcaaacatt tacaatagac ctctcaacc tcagcaacaa aatcaaccac aacagaacaa 240
 ttatgacctc tccagcaaca gatacaacc tggatggagg aatcaccta acctcagatg 300
 gtctagccct caacaacaac aacaaaaaca acctgtctct tcttccaaa atgctgctgg 360
 cccaagcaga ccatatatt 379

<210> 7887
 <211> 356
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7887

agcttgaagg aaaannggat gctttggnta tttnnngaac ccagctggcc ttgaaccaga 60
 aatctgtacc tgctgcaagg gtttgtggtt tgtgtctctc tgctgaccac catacagacc 120
 ttgccccttc catgcagcaa cctggagcaa ttgagcaacc cgaagcttat gctgcaaaca 180
 ttacaatag acctcctcaa cctcagcagc aaaatcaacc acaacaaaac aattatgacc 240
 tctccagcaa cagatacaac cctggatgga ggaatcacct taatctcaga tggcttagcc 300
 ctcagcaaca acaacatcag cctgtctctt ccttccaaa tgctgctggc ccaagc 356

<210> 7888
 <211> 324
 <212> DNA

<213> Glycine max

<400> 7888

atgaatgaac ggagaggaag agaagagcac gaaattttat gctctaaaag agctctgaaa 60
tctgaagttt aatattcaaa tgatcaaagt tcaaaaaatg cacacacatg acctctattt 120
atagcctaag tgtcacagaa aattggaagg aaatttaatt tcacttgaat ttgaaattga 180
atgtgtggag ccaaaatttc actaattatg atcaatgaat tttagttatg gttcagccca 240
ctaattccaag atcaattcta agatttccac taagtgtgct taggtgtcat gaggcattga 300
aagcatgaag gacatgcaca aagt 324

<210> 7889

<211> 222

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7889

agcttgggag ggctttcctc cctatttgag acaaaccnag cgagcattgg ccactggaaa 60
ccggatagga tccaagatc aataatatga acgggttctg cctttgccgc tgctttgata 120
atcattgtat ttgcaaagaa aagtataaac ttcttgaaag ggctggagga agagaaaacc 180
tgctatgcct tgagataatt agcaacagtg acgctcctag ag 222

<210> 7890

<211> 240

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7890

agcttccgga gtctttttcg atcttcttga cacngacgc gcctgaatat gacctcgttg 60
tgaaaagtgc tgaccatttg aatttctcag agctcctgtt gttcacatac cagcgcgtct 120
atatgtgaag cacctgaata gcacatccga gtgaaaagtt atgaccattt caatttctcg 180
agaattttcg tcgttcaata tcgagcatct ctatatataa agagcctgac ctggacctcc 240

<210> 7891

<211> 347

<212> DNA

<213> Glycine max

<400> 7891

ttatcaaaga tttgataatc ttttaagatga tttttactca gacttggatt ttgctggttg 60
tggtgactct cgcaggttga catctggata catcttcata atgactaatg gagcaatatc 120
ttggagaagt gcaaaacaat cattagttgc tacttctatc atggaggcta agtttatttc 180
attatttgaa acaacatcac aaggtatttg gttaaaaagt ttcataagtg gtctaccagt 240
gattgattcc attcctagac tgtaaagat atattttgat aattcagttg ctcttttttt 300
ggctaaaaac aataaaagtg gaagttgaat caagcacatt gacatta 347

<210> 7892

<211> 343

<212> DNA

<213> Glycine max

<400> 7892

agcttctcga tatattatgc acttgaatcg gacctccgag tgacaagtta tggccatttg 60
aatttttcga gagcttccgc tgctcaattt cgagcgtctc gatatattat actcctgaat 120
cggacctccg agtgaaaagt taagaccatt tgaatttctc gagagcttcc gttgttcaat 180
tttgagcgtc tcgatatatt atgcgcctga gtcggacctc cgagtggcaa gttatgaaca 240
tttgaatttc tcgagagctt ccgttgctca atttcgaccg tttcgatata ttatactcct 300
gaatcggacc tccgagtga aagttatgac catttgaatt tct 343

<210> 7893

<211> 355

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7893

agcttctaaa ctttatacaa gattgaagcc tgataccact ngntagacaa gtggcctcag 60
atatattaag aaggggggggt tgaattaaga tatcccaaac tatttcccca attaaaaaat 120
tatttcactt tcttttcaag ttatagattc ccttaacaat gaacttctta aatattaatt 180
caaatcaaac aatttgaata tgaatgtaaa gcgataataa acaaaggaga ttaagggaag 240
agaaagtgca aactcagatt tatactgggtt cggccacacc cttgtgccta cgtccagtcc 300

ccaagcaacc cgcttgagag ttccactatc ttgtaaattc cttttacaag ttcta 355

<210> 7894
<211> 364
<212> DNA
<213> Glycine max

<400> 7894

aaggataacc tattgctcat agatgagaga aattttgtgg tcatcaacta ctggcttggc 60
ttgaatgagt ttgctgattt gagccaccga gagttcaata acaagtatct ggggctgaaa 120
gtggactact ctacaaggag agagtcccct gaagaattca cttacaaagc atgtgagttg 180
cctaagtcag tggattggac aaagaaatgc gctgcaaccc cattcaacaa ccaacgttca 240
tgtggtaagc atatTTTTat ttattaccta ataatactga attaatccaa catgatctca 300
ttcttattat aacatgtatt agctagtatt atttcaatat tgaacgaacc acacatacta 360
caaa 364

<210> 7895
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7895

tgtaattcaa aagtgctaga cttggaaatt gttttgatng ttagatccgt gcatgactga 60
tgaatgaaat tgtgtggctt tagcagcaac atcacgttca tacagatgag gacggttctg 120
aaggtggttg ataactcggg ggagaaaaaa gtaacctgca ttcaagcatt gaaaggggaag 180
aaagtgcac aatcatcccc tcaactaagg aggcacatgc aaaaggggag ggtgtgatgg 240
aaatgaggtc aagtttgatg acaagcaagg ccaaccatt gggactagag tgtttgggcc 300
agtgcctcat gaactcangc cnaacaacca tgtcaagatt cttacttttg ccggccatat 360
tgcttaatt 369

<210> 7896
<211> 390
<212> DNA
<213> Glycine max

<400> 7896

aataactcaag cttctaaact ttatacaaga atgaagctct gatttttctt gttagacaag 60
tggcctcaga tatcttaaaa aggggggggtt gaattaagat attccaaact acttccccaa 120
tttaaaaatt tatttcactt tcttttcaag ttatagattc ccttaacaat gaacttctta 180
aatattaatt taaataaaac acattgaata tgaatgtaa gcaataataa acaaaggaga 240
ttaagggaag agaaagtgc aactcagatt tatactgggt cggccacacc cttgtgccta 300
cgtccaagtc ccaagcaacc cgcttgagag ttccactatc ttgtaaattc ttttacaagt 360
tctaaacaca caaagacaat ccttcctttt 390

<210> 7897

<211> 343

<212> DNA

<213> Glycine max

<400> 7897

agctttgggt tcgatgggtc ctatgacatc tatccccac atggaaaaag gccaaaggggc 60
ggacatgaca ttcagaggat gtggcggaac attgacattg tctgcgtacg cttgacattt 120
atggcatttc cttacatggg tgcagcaatc gctttccata gtgagccagt aataacctgc 180
tctaaggatc ttcctggcca tagcatgcc attggcatgt gtcccaaag aacccccatg 240
gacttctca atcatgtaat tcgcctcttt ggcattctacg cagcgtagga gggatcatggt 300
tttgtttgta caggacggta ccactcaca agaaaccagt agc 343

<210> 7898

<211> 336

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7898

tgtggactgc caacatgcca tatatgaaat ttaagggtag ttgggggact ctgtccattg 60
tcagttcctc atcgcccttg ggaggatccg tcaactggatt tcatcaccgg cttacctcta 120
ttccgaagta acaccacaat tctgggtggtc gtcgatcgct tctccaaagg catccatttg 180
ggcattttgc caacgnectna ctctcctc actgctgcaa cactattcat tgaaatcctt 240
ggaaagatac accaaatgcc tcaaagcttg gtgtccgaca gggatccact tttcctgaag 300

atgagcttcc cttatcaccc tcacagtgat ggccca

336

<210> 7899
<211> 402
<212> DNA
<213> Glycine max

<400> 7899

tttaagaagg caatttccaa tcatgctatc ttatgcaatg acaattaaca agtctcaagg 60
ccaatcactt tctatgggtg gactttatct gccaaaacca gtctttcgcc atggacaatt 120
atacgttgca ttatcaaggg tcaattcaag gcaaggatta aaagttctta ttcattgataa 180
agacacaaaa aatatgactt atactaccaa tgtagtcttc aaagagggtt tcaaaaatct 240
tacaaggtaa ctctaaatct tgaaacaaca aattgtacta tttattggca acaattccta 300
actgttatct tactcatata cattctaaca tacagcccaa gatgatatca tatattacaa 360
tcttaaaatt tacattgtca tgtatgtaat ctttaattacc ac 402

<210> 7900
<211> 349
<212> DNA
<213> Glycine max

<400> 7900

agctatgctg caaacattta taatataccc cctcagcagc aaaaccaaca acaacagaat 60
aattatgatc tttcaagcaa cagatacaat ccagggttga ggaatcatcc aaatctgaga 120
tggaagaagtc ctctacaaca acaacagcct atccctacct tccagaatgt tgctgggtcca 180
agcaagccat atgttcctcc aatgcagcaa caacaacaac aacaacaaag acaacaagca 240
actgaggcac ctctcaacc ttccttagaa gagttagtga ggcaaatgac aatccaaaat 300
atgcaatttc agcaagagac aagagccttc attcagagtc tgacaaatc 349

<210> 7901
<211> 391
<212> DNA
<213> Glycine max

<400> 7901

taccaccata ggaggccatg gataagagcc tggatgaaga atgagatgaa tgaacggaga 60

ggaagagaag agcacgaaat tttatgctct aaaagagctc tgaaatctga agtttaatat 120
tcaaatgac aaagttcaaa aaatgcacac acatgacctc tatttatagc ctaagtgtca 180
cagaaaattg gaaggaaatt taatttcact tgaatttgaa attgaatttg tggagccaaa 240
atttcactaa ttatgatcaa tgaattttag ttatgggtca gccactaat ccaagatcaa 300
ttctaagatt tccactaagt gtgcttaggt gtcatgaggc atgtaaagca tgaaggacat 360
gcacaaagtg tgactatatg atgtggcaat g 391

<210> 7902
<211> 256
<212> DNA
<213> Glycine max

<400> 7902

gtgcctgtat attgatgcgc ctgaatcaga catacgagtg aaaagctatg accattagaa 60
ttatttgaga gcttcctatg attaatttcg agcgtgccga tataatatac acctgaatca 120
aacctcagtg gaagaacgta tgaccatttg aatttcttgc gagcttccga cgttcattgt 180
ttagcgagct tatttgtgag gcacacgaat cagacctccg cgtgaaaaga aaggaccatt 240
tgaatttctc gagagc 256

<210> 7903
<211> 363
<212> DNA
<213> Glycine max

<400> 7903

gcttctaaac tttatacatt aatgatgctc tgataccact tgttggacaa gtggcctcag 60
atatcttaag aaggggggggt tgaattaaga tattaataact tatttcccca attaaaattc 120
tatttcactt tctattcaag ttataaattc ctttaataat gaatttctta aatattgatt 180
caaataaaac aatttgaata tgaatataaa acaataataa ataaatgagt ttaagagaag 240
agaaaatgca aactcagatt tatactgggt cggccacacc cttgtgccta tgtccagtcc 300
tcaagcaacc cgcttgagag ttccactatc ttgtaaattc cttttacaag ttctaaacac 360
aca 363

<210> 7904
 <211> 379
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7904

gcttcaagaa aaagatgggc tcatctaact ccttatttcc agaagggaat tctatcaata 60
 gacctccaat ctttaatgga gaggggttacc actactggaa aacccgaatg caaatTTTTA 120
 tcgaggcaat agatctaaat atctgggaag ccatagaaat agggccttat ataccacca 180
 cagtagaaag agtttcaata gatggtagtt catcaagtga aagcataacc atagaaaaac 240
 ctagagatag atgggtctgaa gaagatagaa aacgagtaca atacaaccta aaagccaaaa 300
 acataataac atctgcccta ngaatggatg aatatgtcaa agttcaaatt gcaagaatgc 360
 ttaggaaatg tgggacact 379

<210> 7905
 <211> 373
 <212> DNA
 <213> Glycine max

<400> 7905

agcttgaaca aatcttctac agttgtgagt gataacatgc agtcttcttg aacccttacc 60
 gccactttg tcgtcatgcc gagactcgag aagcccatca ggtttagcct tttcaatgta 120
 ctctgaacaa aatccaatgg cttcttctgc aatgtacctt tcaacaatag atgcttcggg 180
 acgatgtaga ttcttcgtat acccttttaa gatcttcatg tatcgctcga ccgggtacat 240
 ccatcgcaa taaacaggac cacaacattt gatttctctg accagatgaa caattaagtg 300
 aaccatgatg tcaaaggaag caggaggaaa atacatctcc aactaacaca gtataattgc 360
 aggctcgttt tct 373

<210> 7906
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7906

agcttncact tgataatgga gacacttgaa cttegctagg caacgacatt catggcgctc 60

cgaacaaagg tggagtatgg aggattgcct tgagggtccg cacttangca atcatgaaac 120
 taagctccaa actcgaaagt ggaggacaca tgaacaaccc taagcaataa tattcatgtg 180
 gctccgaaaa aggatgagaa tggaggattg ccttgagggt cctctcttan gcaatcatgg 240
 aacacagctc caaactcgaa aacggaggac acatgaatga aaccgcaatt cattcacgtg 300
 gctccggaac aagatgagaa tggaggattg ccttgagggt cctctcttan gcaatcatgg 360
 aacacagctc caatcatgga acac 384

<210> 7907
 <211> 342
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7907

tctcgagana ttcgaatggg tataactttt cccacatatg tccgattcgg ggacataact 60
 catctagacg ctcgaaattg aacaacgcaa gctctcgaga aattcgaatg gtcataacat 120
 ttcgacaaaa tgtccaattc tgggacataa tatatcaaga cgctcgaaat tgaatagcgg 180
 aagctctcgg gaaattcaaa tgggcataac ttttcacatg gatgtccgat ttgggaaaat 240
 aatatatcga gatgctccaa attgaacaac gaaagctatc gagaaattcg aatgggtccga 300
 acttttcgca cggatgtccg attccgggac ataactcatc ta 342

<210> 7908
 <211> 410
 <212> DNA
 <213> Glycine max
 <400> 7908

taataaatct atatatgggt taaaacaagc ctcccgttag tggaacctta agtttcatga 60
 gataattttt tcatttggtt ttaatgaaaa tcccatgaat caatggatat accacaaggt 120
 caataggagt aaaatatggt ttcttggttt atatgtagat gatattttac ttgtagccaa 180
 tgatcagggt ttgctatatg aggtgaaaca atttctctct acaaaatttg acatgaagga 240
 tatggatgat gcatcttatg tcattggcat taagattcat aaaatgatag acctcgaggt 300
 attttaggtc tatcacaaga aacctatatt aacaaaattt tagagagatt tcggatgaaa 360

tattattcac caagtgttgc tccattgtg aagggtgata ggtttaattt

410

<210> 7909

<211> 364

<212> DNA

<213> Glycine max

<400> 7909

gcttgggtccc caacgctttg ttcattgtct cccaaaatct agaggtaaac ctaggatctc 60

tatcagacac tatgctagaa ggcataccat gtaatctaac aatctcactg atatacaggg 120

aggtcaactt ttccaaggaa aatttgatat taaatgggaat aaagtgagca gacttgggtca 180

acctgtcaac aataaccag atagaatcaa aacctttggg ggttctaggt agtcctatga 240

caaaatccat ggaaatactg tccattttcc actagggtat ctccaagggt tgtaacttcc 300

cgaaagatct ttggtgttct atcttagcct tctgacagac taaacatgca tacacaaact 360

cact 364

<210> 7910

<211> 361

<212> DNA

<213> Glycine max

<400> 7910

tgtaatcgat tacacatata ctgtaatcga ttacttgagc agattttcag aaaatattct 60

caacagtcac atctttttat gtggttctta aatggctatc aaaggcctat atatatgtga 120

ctggagacac gaatttgcta agagtttttc agaacaaaaa agtcttatcc tcttataaag 180

caaaattggt ttatcctctt acaaattcct tgtccaaatt acttgtgatt caataaggaa 240

tttttgagtg ctcaaattgt tcaatctatc tctttcaaga gagatttctt cttttcttct 300

tcttcattct gaaaagggat taagagaccg aggggtctctt gttgtgaaag aattctaaac 360

a 361

<210> 7911

<211> 377

<212> DNA

<213> Glycine max

<400> 7911

cgcatgaagc tttatatgga cgaaagtgtc aaaactccta tttgttggtg tgatgatgga 60
gaagcagtagc ttcttggacc tgaaatgcta caacagatta actaacaagt gaagttgatt 120
cgaggggaaga taaaagcatc tcatgatagg cagaagagct attatgattg aaggaggaag 180
ccactatatt ttcaggaagg agaacatgtg tttttgaagg tttctccgt aaccggagtt 240
ggaagagctc tcaaggctag gaagttgaca cccaagtatc taggtccgta tcagattttg 300
aagaagattg ggcctatagc ttatcatatc gccttacctc ccgatttatc gaatttgcatt 360
cccgtgtttc atgtctt 377

<210> 7912
<211> 366
<212> DNA
<213> Glycine max

<400> 7912
tgacatgcta ttgaacaagc agttatatac tctgcttcac aagtagagag tgcaacaaca 60
tcctgtttct tagagcacca ggagatggga gcacctcaa acaataaaac atgccccatt 120
atgctttttc tgtcaagaac atctccacca cagtctgagt ctgaataagc cacaagttgt 180
ggctcaacct tctctttcta atgtggaaat agaacaccaa agtctagtgt gctctcaagt 240
atctcagtag ccttttagct accatcatat gtgaatgtct tggatcactc ataaacctac 300
tgataactcc cacattgaaa gtgatttctg gtctggaatg acaaataaat ctgagactcc 360
caacaa 366

<210> 7913
<211> 403
<212> DNA
<213> Glycine max

<400> 7913
ttgagagaga atcgggtatt tgaccaacca acttgttttg atgcagcata agttcagtta 60
gttcttttaa ttcagagagc ttatcaggta ttggaccttc taatacattt gcatatagag 120
agagcccctg aaggtgagaa agtttggaca gttctggagg aatttgacct gaaaacctat 180
tttctgaaag ggataaagtg acgagttgat tcaagtttcc aatctctggt ggaattggtc 240
ctatgaaaga atttgcattc agctgcaggc gtatgagttt agacagggtc tggataacctg 300

attttatcaa tccactgaag ttgttcattg ccaaacttag agtgctaaga tttgagcagt 360
tatagaggtc atctgggatt tccccagtca tttgttgga tgt 403

<210> 7914
<211> 376
<212> DNA
<213> Glycine max

<400> 7914

tgtgcatcca ataccatgat gaggatgtcc cttatgttct taaaactgga ctgatccatt 60
tgcttccaaa gtttcatggc tttgcagggtg aagaccaca caagcatctg aaagaattcc 120
atattgtcta ctccaccatg aaaccacaag atgtccagga ggatcacata tttctgaagg 180
tctttctca tttcttagag ggagtggcaa aggactggct atattacctt gctccaaggt 240
ccatcacgag ctgggatgac cttagagag tattcttaga aaatattttc cctgcttcca 300
ggaccacgac catcagaaag gatatttcag gtattagaca actcagtgga gagagcctat 360
atgaatactg ggagag 376

<210> 7915
<211> 383
<212> DNA
<213> Glycine max

<400> 7915

ttgtgaagct cctgttttag ctttaccoga tgtttctcat ccatttgaag ttgaatgtga 60
tgctagtgga gttggcattg gggctgtttt gatacaaaac aaaaggccta tagcttattt 120
ctcggagaaa ttgggaggag ccagattgaa ctattgcacc tatgacaaag agttctatgc 180
cattgtgaga gctcttgatc attggaatca ttatttgcgt tctaactact ttatattgca 240
ttcagatcat gagtcattga agtatatcaa tgggcagcag aagttgagtc caaggcatgc 300
taaattgggtt gaatttcttc aatcttttaa tttctcttca taatacaagg atggtaagag 360
taatgtggtg gctgatgcac ttt 383

<210> 7916
<211> 364
<212> DNA
<213> Glycine max

<400> 7916

agcttgaaca aattcaaag acaattactt tttactcgca tgtccgattg agtcccgtaa 60
tatatcgaga cgctcgggaat ggaataccga agctctgagc aaattcaaac gacaataact 120
ttttactcgg atgtctgatt gagtcccgta atatatcgag acgctcgaaa tggaataaccg 180
aagctctaag caaattcaaa cgacaataac tttttactgg gatgtctgat tgagtgccgt 240
aatatatcga gacgctcgaa attgaatacc gaagctctta acaaattcaa acgacaataa 300
ctttttactc ggatgtctga ttgagtcccg taatgtatcg gaaccctcga aatgaatgtt 360
gagc 364

<210> 7917

<211> 401

<212> DNA

<213> Glycine max

<400> 7917

tctccactaa tctagtgtt gcaacattgg tataacttcc accatcaatg attagagaac 60
aaacctttcc attcaccaaa catctagaat gaaaaatgtt ttcattttgt gtatcatctc 120
tatctttgca caagcttccc atgagtctcc ttaccatcaa aagatatccc tcttccggtg 180
gaagaaaacc atcatcctcc gcttcactag aggaactatg agaactctta gatcactatc 240
cacctctcca ttcttcaaca caatcatgtt ctttttgta gaatattggg atgaaatatg 300
attatttccc aaacacttaa agcatttaat ggaactagtt ttattggaag ggggttgagt 360
agcagaagta ggattacctc ttgaagactt cttttaaga t 401

<210> 7918

<211> 384

<212> DNA

<213> Glycine max

<400> 7918

agcttatgtg caaatattta caatatacct cctcaacctc agcagcaaaa tcaaccacag 60
cagagcaatt atgacctctc cagcaacaga tacaatcctg gatggaggaa tcaccctaac 120
ctcagatggg ccagccctca gcaacaacaa cagcagcctg ctcttcctt ccaaaatgct 180
gttggcccaa gcagaccata cattcctcca ccaatccaac aacagcaaca accccagaaa 240

caaccaacag ttgaggcccc tccacaacct tccctcgaag aacttgtgag gcaaagtact 300
atgcagaaca tgtagtttca acaagagacc agagcctcca ttcagagctt aaccaatcag 360
atgggacaat tggctaccca attg 384

<210> 7919
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7919

ttagttgttg gtgctgatgt tagtatgatt ggaccgtttg gtgtgggggt ctactctaca 60
tatcttattg tcgaaaaggc cattgttacc accaagcaca atgatgatga gcaatacatt 120
tgaggagtc aaagctagagg ttcattgatt ttacctgct tccatgtgct actcgtgcc 180
accatattct ctatctccct ctacttttcc ttacctctca catgattcat tataatgtta 240
tgaatcttgt tatctcaatt ggattccttg attttcattt taatagtcga gaactaactc 300
tgttgatatt gtatagatgg atattntgag tatttgtgct ttataataac tattctttct 360
tcattacaca actctagcat atcctgg 387

<210> 7920
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7920

tcaaacttac aacaaaggag ttgagcaggt aaaatagatt cgtcttcaaa ctcttagagg 60
tgactttgag tgtttgttta tggaggagtc cgagtcaatt tatgattatt tttctcgagt 120
attggccgta gtcaatcaac ttaaaagaaa tggatgaagat gttgatgagg tgaagggtat 180
ggaaaaaata cttcgaactt taaatccaag ttttgacttc attgttacca acattgaaga 240
aaacaaggat ttaaagacca tgactattga gcaactcatg gggtccttac aagcacacga 300
agaanaacaa aagagaaaaa ttaaacaaaa ggaggctacg gagcaactac tacaactcaa 360
cgt 363

<210> 7921

<211> 309
 <212> DNA
 <213> Glycine max

<400> 7921

agcttctgtt atgaatttcg agtgtctcga tatactacgg gacacaatcg gacatccgag 60
 taaaaagtta ttgacatttg aatttgctca tagcattcgt tgtcaattac gagcgtctag 120
 atatattaaa ggattcattc ggacatccga gtaaaaagtt attatctttt tattttgctc 180
 agagcttctg ttttcaattt cgagcatctc gatataattac aggactcaat cggatatccg 240
 agtcaaaagt tattgtcggt tggatatgct acgagctttc cgtttcaatt acgagcgtct 300
 aatatgcta 309

<210> 7922
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 7922

agctgctaac ccatggaagc tcctatatat ctcccacact ttttgggggtg ggccattctt 60
 ggatggcctt gattttctca ggggtccactt ggaccccat tctaccaact acaaaaccta 120
 agaaaactat attatctaca caaaagggtac acttctctat atttgcatag aggggtgtttt 180
 tcctaaggac tgaaagaact tgtctgagat gtcctaagt atcatctagg ctctactat 240
 aactaaaat atcatcaaaa taaacaacta caaatctacc tatgaaatcc cttaagacat 300
 gatgcataag cctcataaag gtgcttggtg cattagttag cccaaaaggc atcactagcc 360
 attcatacaa accaaac 377

<210> 7923
 <211> 370
 <212> DNA
 <213> Glycine max

<400> 7923

agctctgggtg ggacatcttg acttgctttc caatctgaca ttcaccacag attctgcctt 60
 cttctatttt cagattggga atgcctctaa cagcaccttt gtcaatgatt ttcttcatgc 120
 ctcttaagt cagatgtcca aatctttgat gccatatatt gacttcatct tctttggaga 180

ctagacatgt ggaggagtaa ctggtttctt gaggtgtcca taggtaacag ttgtcctttg 240
atctgctgcc cttcattaag acttcactct tctcatttgt caccaagcat tctgactttg 300
tgaagtttac attgagtcct tcatcacaca actgactgat gctgatcaag ttcgcagtca 360
gtccctttac 370

<210> 7924
<211> 391
<212> DNA
<213> Glycine max

<400> 7924

tcatgagaga gtcaaagatc aaattgagag gaaaagtaat tgcttgctaa acaagccaac 60
aaaggagaaa agaaggttgt cttcgaaccc ggagattggg tttgggtgca catgagaaaa 120
caaaggtttc cggaacaaaag gaaatcaaag ctttatccaa ggggagacgg accatttcaa 180
gtgcttgaaa gaatcaatga caatgcttac aaagttgagc tgcccgggtga gtataatggt 240
agttccacct tcaatgtctc tgatttatct ctttttgatg cagatggaga atccgatttg 300
aggacaaatc cttctcaaga gggagagaat gatgaggaca tgaccaagag caagggcaag 360
gatccacttg aaggacttgg aggacctatg a 391

<210> 7925
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7925

agcttaaaag attggctaag attttggttaa aacataagca cttagacaat gaaggaaagc 60
tggagttgct gcacatgatg tccaatgtta tgtcaaagaa taagatcggg ctgcacaatg 120
cacaaggcaa gataaagtgt caaatgaaga attgaagctg caggattcac gatgtcggat 180
ataatgtcca ggacatcctg cctgaaaata ctggaattgc taaaagcatt gaagctgcag 240
gatccacgat gtctgataca atgtccagga catcctgccc gaaaatactg gagctgctaa 300
aagcattgaa gttgcaggat ccacgatgtc ggatacgatg tccacgacat cttgcccgan 360
aatactggac ata 373

<210> 7926
 <211> 401
 <212> DNA
 <213> Glycine max

<400> 7926

tatgcgaaat acttggaataa tttaaactctt atctttacaa taatttattt tcacctcaac 60
 caataatggt tttgttatat tgatgagacc acttataata agtataaata tataattaat 120
 tatggaaatg agtactatgg ttattaacga aatatgaagt aataggatta catattaaaa 180
 ttttaattatg tttttgttat attgattatg cattaattat actatttatt aaacataata 240
 aatattttaag ttttaaagat ttatgaaagt ttacctcttt attattgcat atcatgaata 300
 tgagatatgt acgcattaaa tgtatgacag agatacatgt taaaaaatct aatatttgat 360
 agagttatat tatatttatt aatggaataa atatcacatt c 401

<210> 7927
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7927

ntagccaaac tgtaaaactt ggcaataaca ctagaatggc tgttggtgga aaaggatatca 60
 ttcatatgca agtgaatgga tttacttagg aaattgcagg tgtctattat gttcttgaac 120
 ttaagaataa tctattgagc atagggcaac ttcaagaaaa aggcttgact attttgattc 180
 aacatgggaa gtgtagggtat tatcaccttg agaaaggatt aattatgcag acatatatga 240
 gtggaaatag aatgttttct ttgttggtta ccatgatacc aaaatctttt tcatgtttcc 300
 aaattgtatc agaaaatgaa tctcatcttt ggcattgtcg gtttggtcac ttaggctaca 360
 atggattgag gacacttttt gataagaaga tggtaaatgg gctg 404

<210> 7928
 <211> 331
 <212> DNA
 <213> Glycine max

<400> 7928

tgcaagcttg taatctatta cacatatact gttatcgatt accagagcag attttcagaa 60

aatattctca acagtcacat ctttttatgt gggctctgaa tggctatcaa aggcctatat 120
 atatgtgact tgagacacga atttgctaag agtttttcag aacaaaaagg tcttattctc 180
 ttataaagaa aaatcggtttt atcctcttac aaattccttg gccaaattac ttgtgattca 240
 ataaagaatt atttgagtgc tcaaattgtt caatctatct ctttcaagag agaaatcttc 300
 ttctcttctt cttcattctg aaaagggatt a 331

<210> 7929
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 7929

tctattttca atttcaagcg tctcgatata ttactttact taatcggaca tccgtgttaa 60
 aagttattgt ggtttacaat tgctatgagc ttctgttttc aatttcaagc atctcgatat 120
 attacgggtt ttatttagac atccgagtta aaagttattg tcgttggaat ttgctcagag 180
 cttttagatt caattttcag cgtctcgata tattacggga cttaatcgga catccgaggt 240
 aatagttatt gtggtttgca attgctatga gcttctgttt tcaatttcga gaatctcgat 300
 atattacggg attcattcag ccatctgagt aaaaagtaat tggtcggtga atttcctcag 360
 agcttctatt ttaaattcga gc 382

<210> 7930
 <211> 365
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7930

gcttcaacat cagaccactt ccagtttgct ggaactactc cacatggatt tgatggggcc 60
 tatgcaggtt gaaagccttg gaggaagag gtatgcctat gttgttggtg atgatttctc 120
 cagatttacc tngtcaact ttatcagaga gaaatcagaa accttgaag tattcaaaga 180
 gttgagtcta agacttcaaa gagaaaaaga ctgtgtcatc aagagaatca ggagtgaacca 240
 tggcagagaa tttgaaàaca gcaggttcac tgaattctgc acatctgaag gcatactca 300
 tgagttctct gcagccatta caccacaaca gaatgggata gttgagagga aaaacangac 360
 ttgac 365

<210> 7931
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 7931

taagaggtat ggcagtgcta agggatgttt cccttgatag gataaggtag aaagattggt 60
 taagaaggag tgctatttta atatcacctt ttcttgcaaa atgattttcc ttcttaacaa 120
 tcttcttgga ggaatccttt tctccttttt cttccctt ggactttgaa gacaaggcct 180
 tactatcctt ctttttcttt tgtttttcta gtttttcttc ctcatccctc ttatctttca 240
 tagttagtgt atctttggcc acctgtgaag gtgtttgagg atgcaacaca aatttagtgc 300
 caagatgggt gagggtaatc tcattagtta ggccattgta aatgatcttc ctatcaaatt 360
 gccaccgtct tcctaaaaga atatgtccta cc 392

<210> 7932
 <211> 351
 <212> DNA
 <213> Glycine max

<400> 7932

agcttgatc ttttccatt attaataaga cgagttcttt tcctttttct cttgttcata 60
 ctgatgatg gggctctgct aatgtcctta atatctcatg tgctaaatgg tttttaacct 120
 tcatagatga ttgtactcga gcaacttatg tcttcttatt aaaataaaaa tctgaagtca 180
 gctttgtttt tattcacttt gtgtcaatga ttaaaaacca atttgagtc aatattaaga 240
 gaattaggtt tgacaatgcc agggactact ttaattttgt gctaaaatct ttttgtcaaa 300
 aggaaagaat aatccatgag tctttaagt ttaacacaca ccaaacaaaa t 351

<210> 7933
 <211> 345
 <212> DNA
 <213> Glycine max

<400> 7933

ttggctcaga gcttcaacat ttcaatttcg accgtctcga tatgttaagg gactcaatca 60
 gacatccgag taaaaagtta tggctctttg tattggctca gagcttcaac attcaatttc 120

gagcgtctcg atatgttacg ggactcaatc agacatccga gaaaaaagtt atcgtcgttt 180
 gagttggctc agagcttcaa cattcaattt cgagcgtctc gatatgttac gggactcaat 240
 cagacatccg agtaaaaagt tatggtcctt tgtattggct cagagcttca acattcaatt 300
 tcgagcgtct cgatatgtta cgggactcaa tcagacatcc gagaa 345

<210> 7934
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 7934

agcttcagtg gcttagtgaa gatgaagatg ttaaagtgac tcaacagggt gaggtgtgtc 60
 tcaccattgg gagatataat gacaagggtc tgtgtgatgt ggtcccaatg gaagcgaccc 120
 atgtgctgtt aggaagatcg tggcagtatg ataccaaggc agtgcattgat ggcttcacca 180
 acaacatctc tttcaagcaa gctgacaaga agattgttct caaaccgta tctcctcaag 240
 aggtttgtga ggatcagata aaaatgagag aaaagaaaa gagtgagaca cttgagagga 300
 aaaagagtga gacacttgag aaggaaaagt gaggaagaa aaagagtga aactcagaga 360
 gggaaaagag agaaaacaaa aagagtga cact 394

<210> 7935
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7935

cgacaatact tttctcgagg ttcttatatt ccttaatata tcgagacact cccaattgaa 60
 attggaagct cggatcaaatt tcaaacgaca ttaacttttg acttggtatg ccgattgagt 120
 cccgtaatat atcgcgacgc tccaaattga aaacagaagc tctaagacaa ttcaaacgac 180
 aataactttt tattcggatg tccgattgag tcccgtata tatcgagacg ctccaaattg 240
 aaaacggaag ctcgtatcaa attcaaacga caataacttt tttctcgat gtccgataga 300
 gtcccgaat atatcgcgac gctccaaatt gaaattggaa cctcgtatca aattcaaacg 360
 acaataactt ttaactcgga tgtccgattg agtcccgtaa tatatcgaga cgctccaana 420

<210> 7936
 <211> 357
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7936

ctatngggca tccgagtaaa aagttattgt cgtttgaatt tgatacgagc ttccaatttc 60
 aatttggagc gtcgcatat attacgggac tctattggag atccgagaaa aaagttattg 120
 tcgtttgaat ttgatacgag cttncgtttt caatttggag catctcgata tattacggga 180
 ctaaatacaga cattcgagtt aaaagttatt acggcttgaa ttgctacga gcattcgttg 240
 tcaattttga gcgtctcgat atattatggg actcaatcgg acatccgaga taaaaggtta 300
 tgtcgcttta atttgatacg aacttccatt ttacaattgg agcgctctcg aatatta 357

<210> 7937
 <211> 433
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7937

caattcttgg tgggtgaagct ccttcnttcn tgtttattcc ctagaggatg gtgcctcccc 60
 tctcccttc tctttgcct tccgctgcat ctccatggg aaaaatcacc attgaaggac 120
 ctcatgaag ctcanagatc cagcctccat agaagctcca ctagcaagct tccatcaatt 180
 atcatcacia catattcaga aaacaaaaac cccacaatct gatgtaagct ccattggagc 240
 ttgtacgcct aggatcttct tcatcaatgg attcctttgc tccttgggaag atgaatggca 300
 gcggaatgga gaacgaagag agagaggaga cgccacttca acgagaagat gagtttagaa 360
 caagcttacc accataggag gccatggata aaagcttgga ggaagaacga gatgaatgaa 420
 cggagacgga gag 433

<210> 7938
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 7938

ctttcctctg natgctctga tagggtttcc atgtattata tagaatgaga anggattgaa 60
gcctccattc cactatctac gtgcatgag tatttctccc gccacagaca ttattttgca 120
aatcccaaca gtgaagatgt gcgaaatgaa ttgcaaacca catatcaaaa tttcatgaca 180
atctaacggt taacgaatct gggatcatag ttttacggag acagttttgg atttttacgg 240
gaaaaaaagc tacgatacaa aagatatttc tctcaactcc aacatgtttt cataattccc 300
aatggtgaga atattcagaa atgagttctg aacctggtgc tcaaatttca cgatgatcta 360
acggtgaatg agtctgagag ggttttggtg gtatgcggga aaagagatcg tca 413

<210> 7939
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7939

attccatttc gagcgacncg agatattact agtttcaatc ggacatccga gtaaaaaattt 60
attgtcgttt gaatttgatc agagcttcaa cattcaattt cgagcatctc gatataattac 120
gggactcaat cagacatccg agtaaaaagt tattgtcgtt cgaatttgct cagagcttct 180
acattcaatt tcgagcgttc cgatatatta cgggactcaa tcggacatcc gagtaaaaag 240
ttattgtcgt ttgaatatgc tcagagcttc ggtattccag ttcgagcgtc tcgatatatt 300
acgggactca atcagacatc cgagtaacaa gttattgtcg cttgaatttg ctcacagctt 360
ccgtattcca tctcgagcgt ctcgatatat ta 392

<210> 7940
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7940

agctntgagc aaatncaaac gtatttnatt tttttgtcg gangncngan cgacccccgc 60
aatatatcaa gatgctcgaa atggaatacc gaaaccctga gcaaatacaa actacaataa 120
ctttttactc cgatgtctga tagagtcccg taatatatcg agatgctcga aatggaatac 180

cgaagctctg agcaaattca aacaacaata actttttact cggatgtccg attgagtccc 240
gtaatatatc gaaacgcttg aaattgaatg ctgtagctct gagcaaattc aaacgacatt 300
aactatttac tcggatggcc gactgagtcc ggcaatatat cgagacgctc gaaatggaat 360
accgaatctc tga 373

<210> 7941
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7941

agctttngga ggctgtgttc attttttctt gctctgatag cgcnnnggaa agaacagtac 60
aggtggttcc ttaaaaaggc ggaatgacag tggtagaaa tgagatgaat gacttgatac 120
caacactaac tgccactggt tggatgatgt gtatcgacta tcgcacgttg aatgaagcca 180
cacataatga ccatttcccc ttacctttta tggatcacat gctggaaagg cttgcagggc 240
acgcatacta ctgcttntgg atggatatcc atgatacaac catatcgcg tatacccccac 300
agatcaggag aagacggcct ttacatgccc ctntcgcgtc tttgcttaca taaagatcgc 360
attcgggtta tgtatcccac taccttcttc agaggtgcat gcta 404

<210> 7942
<211> 450
<212> DNA
<213> Glycine max
<400> 7942

tccataaaag ccaaactaag caataaagta ctctcgtatt tttccctctg cctccggttg 60
tcgggcaatc cttctacag cttgcctgc agcagtgcct tgaccaacct caggtccaat 120
agaagcaagc cctacggcca acccagcagc aataacagaa gcagcagaaa taattggatt 180
catgataatt tcctcgtaac ctaaataata aataaagaaa tagttaatga tataatcaac 240
caataaatta tgacttaatt tttcaattat caagatttat tcggtttaaa gtaattaata 300
agaattccga attgaaaata ataatagtta ttgaactcta cgaattactt cgagatttat 360
tttttcgtct ctacctacat acatagcttt tttttgtgaa tatgtagaac ctctggtctt 420

<210> 7943
 <211> 387
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7943

tgcattgcaca aagtgccagt ggaggacgac agtatctnng gttcatattg tccagagaag 60
 cggccagcaa gactaaccga cataccttat tggctgacaa attctcaagt tggagggttat 120
 ggaaaacctg cccctgaaga tcttactgct gattatggac actggaaacg tatagtgtcc 180
 aagtcttcat ttaatgggat aagaattaat tggccaata tgccgaatgt catggatatg 240
 agatcactct atggaggggtg agtgaaatct gttegttccc atgttactct gaattatatt 300
 aaccggccat tttgacatac ttcactagct ctttcggcta caggttnngct gctgtcttga 360
 tagattagaa tatttgggtc atgaatg 387

<210> 7944
 <211> 327
 <212> DNA
 <213> Glycine max
 <400> 7944

agcttcgaag cgcggggctg tcttcgttat tggactcatc agcatcatgt tcgtttctgc 60
 gcgcatcaac aaagccttgt tgggtgtcta accatctccg gcgaatttca cggcgacgcc 120
 cttgccgagg atcccgcggt cgaagttgcy gtacacgtgg acgccggtgt cgttcacccat 180
 aaaactatta tccagagcgc ctacggtttag ggtttggacc ccgccattcg cgggctcttc 240
 gaattcctcc attaaatcgt ttctccgccg cgacggcgac ggcgaaggag acggttctcc 300
 ggagactgcy ttctcccaca cagaatc 327

<210> 7945
 <211> 428
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7945

ctacttcaca tggatttgat gttgcctatg caagttgaaa gccttggagg aaagaggat 60
gcctatgttg ttgtggatga tttctccaga tttacctgng taaactttat cagagagaaa 120
tcagaaacct ttgaagtatt caaagagttg agtctaagac ttcaaagaga gaaagactgt 180
gtcatcaaga gaatcaggag tgaccatggc agagaatttg aaaacagcag gttcactgaa 240
ttctgcacat ctgaaggcat cactcatgag ttctctgcag ccattacacc acaacagaat 300
gggatagttg agaggaaaaa caggaccttg caagaggctg ctcggggtcat gcttcatgcc 360
aaagaacttc cctataatct ctgggctgaa gccatgaaca cagcatgcta catccacaac 420
agagtcac 428

<210> 7946
<211> 232
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7946

gcctgaatcg gacctccgaa gaaaaatatg accatttgac tttttaagct tcgttgtgaa 60
tttcgagctc ctcgatatct gacgtgcctg aatccgacat tcgagtgaac agtcgggaca 120
acttccattt ctccagagct tccgctgttc aattctgagc gtctcgatat gtgatgctcc 180
tgaatcggac cctcctgtga taacttatga ccattngaatt tgctctagat ct 232

<210> 7947
<211> 419
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7947

agcttagtga attatttata caatctaatt gtcttatctg gaccaatccc agcttccata 60
ggctacttgg tccatttgga ctccctgttc cttgatagaa atgaactctc tgggtccatt 120
cctttcatca ttggaaattt gtcaaagctt agtgaattat ttatatactc taatgaactc 180
actggatcaa ttccttcac tattggaaat ttatcaaagc gcagggcatt actatttttt 240
ggaaatcaac ttggtggcaa gattccaata gaaatgaaca tgcttactgc tctggaaaat 300
ttgcagctag ctgacaataa ttntataggc catttacctc aaaacatctg cattgggtgga 360

acgttgaaat atntttccgc tgaaaataac aacttcatag gcccaattcc agtgagttg 419

<210> 7948
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7948

tgtagagatc ctcattgtgc taatccgtaa gtttgacttc cccangcagn ttaaagactt 60
cagacctatc aatttatgta ctatgcatca taaactgatt tccaagggtc ttgtccacca 120
ttttcgccct tctttagaag agatcataag ccttcttcaa cgaagtttca tgccttgga 180
gggaaccttt gataatgcca ttgtagctca agagggtgtt cattacatgc atcattagaa 240
agctaagaag gggatcatgg cttttcaa atggcctatg acatgggttag 300
ataggatttc ttggagatgt ctctcatcat attcaacttc tcgtgaatca ttattgacct 360
gatcatatgg ggtattcgat atacttcttt gtcccgtatg tggaatgg 408

<210> 7949
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7949

agaaactcac gctngcgctg agctcttttg accctagaag aactcttgaa attttttctt 60
cancgaance catatatttc ttgtcttgtc cctcttgagg atcgcntcaa ggacttcacg 120
atctattgtt tggaaaagg aattatttac ctttaagtcc ttcaacttct gtcctctgat 180
caatatgcat tgcgtctccg taggctctat tccatctgcc accatcaata tccattctc 240
aatgagatcc taatattctt tggagcggag aaaattctcc atcaacattg cccaatgatc 300
ataatgacca ttaaactttg gaattgcacg ctgcacgaaa ctgctactcc caccttctgc 360
cattcttctc aactcgttct actcgaaaga aagaaaaact gcagtttctt tcttgactca 420
cactcactgt ttttctcaca tgc 443

<210> 7950
<211> 423
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7950

tgtagagatc ctcattgggc taattcgtaa gcttgattct ccaggcagnt taaagacttc 60
agacctatca atttatgtac tatgcatcat aaactgattt ccaagggttct tgtccaccat 120
tttcgccctt ctttagaaga gatcataagc cttcttcaac gaagtttcat gccttggaag 180
ggaacctttg ataatgccat tgtagctcaa gaggttggtc attacatgca tcattagaaa 240
gctaagaagg ggatcatggc ttttcaaatt ggcctagaaa aggcctatga catgggttaga 300
taggatttct tggagatgtc tctcatcata ttcaacttct cgtgaatcat tattgacctg 360
atcatatggn gtattcgata tacttctttg tccgttatgt ggaaatggtc gcgtttgagt 420
agc 423

<210> 7951

<211> 424

<212> DNA

<213> Glycine max

<400> 7951

agcttttcat agtagaacgt gggtaactga ttctacctat tattgtgatc atctccctct 60
ccgtcatggg cggtaacaact tgggctgcaa gatctctcca tctctgggca tattccttaa 120
tggactcatg ctctcgttta gtcataacct gaagctgggt cggatcggga gccatgtccg 180
tattgtactg gtactgccta atgaaggcag ttgccaaact cttccatgat cggatctggg 240
aagcttccag attggtataa cacgctacag ctgccccggc caagctatct tgaaagaaat 300
ggaccaacaa ctttctgtct gcagaatacg ccccatctt tcggcaatac atccggagat 360
gcccccttgg acatgtcatc cctttgtact tatcaaagtc tgggtactttg aacttgggag 420
ggat 424

<210> 7952

<211> 422

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7952

tgaccctcaa tctttcaatg attatagatc catcttcctt atatggtgtg tctataaaat 60
 cgtggctaaa gttctggcca agaggctggc ccttgtgtta cctcatctta tagatgaaag 120
 acaaacggat tttatgaagg ggaggcacat tcttcatggt gttttgattg ccaatgaggt 180
 tatagctgag gctaaggcta gaaataaacc ttgcatggtc ttcaaagagg attttgaaaa 240
 ggcgtatgat tcggtttctt gtgggtttct tgactacatg ttgatgagga tgggcttttg 300
 tgaaagatgg aggaaatgga ttaatggttt cctgtccact gcaaccatat ccattttaat 360
 taatggaagt ctgtttttgg agatgccact caacataatg ttagaacctt anaatgtatt 420
 tg 422

<210> 7953
 <211> 411
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7953

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 aggttgacc tcccagaaga gtatggagtc agcaccactt ttaacatttc tgatttaact 120
 cttttgcag gtggagctga tattgaggag gaggaactaa cagatttgag gtcaaactct 180
 cttcaagggg aaggggatga tgcaatcctc cctaggaagg gaccaatcac aagaaccatg 240
 agcaagaggc tccaagaaga ttgtgctaga gctgctgaag aaggccctag ggttctcatg 300
 aaccttangg tagatttctg agcccatggg ccaagggttg gtccaattat ctttgatcat 360
 attagactag gatgtcatta tatttggtcc ttgtatatag ggctccatat t 411

<210> 7954
 <211> 403
 <212> DNA
 <213> Glycine max
 <400> 7954

agcttcacaa gtagaatcag aaacttgtct tccatgtgtc tttatcagaa aaggttcacg 60
 accctttaga aatgtggcgg tacataatct aaaaatctcc agaaggattg tctgtgatct 120
 atgaaattag aatatcaatt cagttttgct tgataaggct agaacacata ttgctattaa 180
 cctattaaat attaaataat tttttccta attttattgt tataatttta atggttacaa 240

ttaatatgta acttgattac gtaattagta acttggaatt catttagttg gttaagtcac 300
tatataaaca ataagaacta ttggtccaaa ataatttatt agatgaattg tgtataattt 360
agatgtagtt caaataacgc tcatttttgg ctcttgactt ggg 403

<210> 7955
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7955

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tttgtcagtc aaggtctgga atgtatctta tttgttattg ttatttttac ctggattctg 120
tattttgaaa ataaagcata gaattgattg ttattacttg atgcagttct ttgacattac 180
aaatgtttat agcttgccgc ggaatacctg ttttagtggg atttcttgaa gctgattatg 240
ccaagtacag gttagtgtgt gtttgtgaat tgtgcttaat acagaagtac taacattttc 300
actagatagt ttgcaatgca atgccaatat ttgaacttct ctggccctgt tctacctaaa 360
aatttcagaa cattataaac atgtgctttc accctgcttg aggcctgang gcctttgtgt 420
gagggtcttt cttacatgta aaatccattc cct 453

<210> 7956
<211> 331
<212> DNA
<213> Glycine max

<400> 7956

tggaaaagat caactcctcc catgtgccat gggacgctcg actaaattaa ttgctgacat 60
gttatcaatc aacaaccgga taggactaca atcccgaag tccagttctt ccattaaagc 120
tctcacacat agagcgtgac aagctgccat agcagcaaca gtatattatg ctctacatgt 180
tgacgaaaca actacactct gcttctttga gcaccaacag attaagtgtg ctccaaattt 240
gaaaacatat ccagcagtgc ttatactatc atccttatca ctacaccaat ctgaatcatt 300
ataaccaaac acttcttctg tatattctta c 331

<210> 7957

<211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7957

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 cttncaaagt ttcattggcct tgcacgcgaa caccgcgaca aacatttgaa agaatttcac 120
 attgtctgct ccaccatgaa acccccacat gtccaagagg atcacatatt tatgaaggct 180
 tcttctcatt cattacacgg agcggcatac gactggttgt attaccttgc tccaaggctc 240
 atcacgagct gggatgacct taagagagta ttcttagaaa aaattttccc tgtttccagg 300
 accacagcca tcaggacgga tatcttaggt attagacaac tcagtggaga gagcctgtat 360
 gagtactggg agagatttaa cagactatgt gccagcttgc cccacca 407

<210> 7958
 <211> 359
 <212> DNA
 <213> Glycine max

<400> 7958

agcttatgac tcggatcttg gtttcttatt ctatatgacg atgaggatgg gattttgtga 60
 aagatggaga aaatggatct atggatgtct atctagcgca actatatcaa tcctaataca 120
 tggcagccct actagagagt ttgtgcctga gaggggacta atgcagggag acccccttgc 180
 acctttccta ttagacataa tagctgaggg ccttactggt ttgatgagga caactgtctc 240
 taaaaacatc ttcagccgtt atcaagtggg gagggcaaaag gaagagatta atatactgca 300
 atatgcagat gataccattg tgctttggaa ctgcgactac aactaatggt agagtcatg 359

<210> 7959
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7959

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 agggctctct tgccttagtc ctttctgagg taggaactca gctgaggagac taccattcac 120

caaaaatgaa acagatgctg attttagaca cccctcaatc cattgaattc atttgctgca 180
aaagcccatc ctacccatca tataagttag aaactcccaa gacacaaaat catatgcctt 240
ttcataatca accttgaaga caatgcaagg cttttggcat cttttggcct cttcaactac 300
ctcatttgta gtcaccacgc tgtgtagcat atgtcttctt tctataaatg ctgattgcct 360
ctcatgaata ataaaaggca tgaccttctt caatctattg gccaatattt tagccactat 420
ctt 423

<210> 7960
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7960

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tatacgagac atcttgccaa acaaagtcag gttcacgata actcgtctgt gctttttctt 120
ccatgctata tgtagcaaag tgattgatcc acgaatgtn gatgagttgg aaaatgacgc 180
cgcaattata ctgcgccact tggagatgaa ttttccccct gctttctttg acatcatgat 240
tcacttgatt gtgcatctgg tcagagaaat caaatgctgt ggtcctgttt atctaccatg 300
gatgtacccg gctgagcgat acatgaagat cttaaaaggg tatacaaaga atctatatcg 360
ttcggaagca ctattgttga ctgtacattg cgtaaaagcc attgaatttt gttcatacta 420
cttaca 426

<210> 7961
<211> 241
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7961

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gccatagatg gcctttttta gaagataaac tttatcttct tcactttgct tcatgaatcc 120
ttctggttgc tctacatata tttcttcttg tagctctctg tttaaaaaag ctgatttaac 180
atctgtggaa gccatgcctt cccagattat tttgatgatg gccagaatc aagagtctag 240

<210> 7962
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7962

tattcctgaa actntagttc ttanaataac tgtgttggat gacgtcgcgn gatctatgta 60
 gccgatctca cctagtggga taaaagctta gttggtgttt caattatcat attcagttct 120
 tatttgacga cttctcattt ttatgccttt ggtattcaat tntattccat gtgcctaacc 180
 aaagtatctt ggtatgtatt taaatcttgt tttcaggga agggtcctct attatctgtg 240
 gaggcactgc atcaccttca tacatttatt tttgtcctag ctgtggccca tgtcacatct 300
 tgtgttctca ctgttgttct tggagggcta aaagtgagtg cataatatgc tntattataa 360
 gatgtgcttg atgaaacgct cttttttgag tcctaataat taactctgat taacagatac 420
 ctgagtggaa acact 435

<210> 7963
 <211> 449
 <212> DNA
 <213> Glycine max

<400> 7963

ggtaggcctt ggatcttctt catattggag tcttttgtct tttgaagatc aatgacaaca 60
 taatggagaa ggaagaaaga tgattggaga agccacttca aggagaagat gagtcaagaa 120
 gaagctcacc accataggaa accatggata agagcttgaa ggtagaagaa gatgagtgga 180
 gggagagaaa gagcacgaat ttttgtactt aaatgaggta tgaaatttga agtgaattc 240
 tcaaattgatc aaagtggaaa aaaatgcaca cacatgacct ctatttatag cctaagtgtc 300
 acacaaaatt ggaggggaaat ttgaatttct attcgtatct cacttgaatt tgaaattgaa 360
 tttgtggagt caaactatgg agccaaaatt tcactaatta tgattagtga atcttagaat 420
 atggtttagcc cactaatcca agatcaatt 449

<210> 7964
 <211> 381

<212> DNA
<213> Glycine max

<400> 7964

agcttctaca agctgggttc atttatcctt tcttcgacag ccaaaggggtg agtcccgtcc 60
aggtagtttc gaagaaaacc agcctcaccg tgatcaagaa tgaaaaggat gagcttatcc 120
ccacaagagt gcagaacaac tggcaagtct gcattgatta taggaggatg aactaggtaa 180
tcataaaaga tcattttccc atgccattca ttgatcaaat gcttgatcgc ttggcaggta 240
aatatcatta ttgttttctt gatggatttt ttgggttatt tataaattca tattgctcct 300
gaggatcaag aaaaaaccaa attcacctgt tcctttggca cttttgccta taggagaatg 360
ccctttggtc tatgcaacgc c 381

<210> 7965
<211> 360
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7965

tagactaagt tcagcctacc accctcagac tggtgaccaa actgaacgga ccattcagtc 60
actggaggac cttttgaggg catgtgtctt agagcaaaag gggagttggg agagttttct 120
gtcgttgata gagttcactt ataacaatag ttccactat accattggca aggctcccta 180
tgaagctttg tatggtagaa ggtgtataac acccttatga tggttagagc ccggagaaaa 240
cctcacctta ggatctaaag tggtagaaca aaccaccgag aaggtaaagt tgatctaaga 300
aaggatgagg actgcacaga gtangcaata aagttatcag tataagagga gaaaagacct 360

<210> 7966
<211> 371
<212> DNA
<213> Glycine max

<400> 7966

taccccagta tctagctgga acttcgacga tttatgccgt ggaagaatgc ttaaccaatc 60
gcgatcaagt tttcgtagt ttagcaagaa aattgaacaa ggcttaacaa cgaatgaagg 120
aactcgcaga tcagaagcgt cgcaagtga gttttgaagt tggagacata ctgctggtca 180

agttacgtcc tcgacggcag ataacagcta ccaacagttg ctactcgaag ttggcaaagc 240
 gaatttatgg tccctttcaa gtgaccaat gtatatgcga agttgcttat aagctagact 300
 taccagcaac ctccaagatt caccagtat tccattgctc cttattaaag ccatttcggt 360
 tagacacgac a 371

<210> 7967
 <211> 370
 <212> DNA
 <213> Glycine max

<400> 7967

tgtacggtta acgtctcagc attgtcacgc gtttatgcaa caattggttag ccgtggctat 60
 actagacatc ttgccaaaca aagtcagggt aaccataact gacccgtggt attattccat 120
 gccatatcta gcaaagtcac tgatcttacc aagtttgatg agctgaaaaa tgaggccgca 180
 attatactgt gccagttgga gatgtatatc cccctgcta tgtttgacat catgattcac 240
 ttgattgtgc atctggtcag agaaatcaaa tgttgtggc ctgtttattt gcaatggatg 300
 taccgggatg ggcgatacat gaagatctta aaagagtata caaagaatct atatcatcca 360
 taagcatcta 370

<210> 7968
 <211> 330
 <212> DNA
 <213> Glycine max

<400> 7968

agcttgggtga cttgggtgact tgggtgaatat ttgattattt gcatcagggtc aggtacctag 60
 attcttatct cagatggagt gatctgattc gtcctgagca gaacatccag gatgggaaaag 120
 gtcaagagac tgaagcttct gctttcagaa atgcagatat ttgtgacaat aaacttgtat 180
 aggggaaaag ttgttatgga atagcttttg ggagccaaaa acatcttcct tctcgggtga 240
 tgaaaaatgt tgttcaagtg gagcaagatc cagaaggaaa ggaaaagtat tggttttttg 300
 aaacacgtat tccattatat ttgataaaag 330

<210> 7969
 <211> 349
 <212> DNA

<213> Glycine max

<400> 7969

tataatatat cgatagctc gaaatttaac atcggaact ctcacgaaat tcaaatagtc 60
ataacttttc acacggatgt cggattcggg cgcataatat gtcgagaagg tcgaaattga 120
acaacggaag atcttgagaa attcaaattg tcataacttt tctcacggat gtccgactca 180
cgcttataat atatcgagac gctcgaaatt aaacatcgga aactctcgag aaattcaaatt 240
ggtcagaact tttcacacgg atgtccgata cgggcgcata atatgtcgag aggctcgaaa 300
ttgaacaacg gaagctcttg agatattcaa atggtcataa cttttcaca 349

<210> 7970

<211> 291

<212> DNA

<213> Glycine max

<400> 7970

tgctttcaag aaattcaaatt ggtcataact tttcagatga aagtccgatt cagccgcata 60
atatatctag acgcttgaaa ttgaacgccc gatgatgatg acaaatttaa atggtcataa 120
cttatcacgc ggatgtctga ttcacgccc aaatataatcg agatgctcga aattgaacaa 180
tggagctctc gagaacattc aatggtcata acttttcaat tggatgttcg attcaggcgc 240
atcacatata gaggtctctg aaatcgaaca acgaaagctc ttgagaaatt c 291

<210> 7971

<211> 343

<212> DNA

<213> Glycine max

<400> 7971

agctttgctt ctacacttag gtgttataag gcatgcaaag catgtaagac atacacaaag 60
tatgactata tgatgtgaca atgggggtgtc acaagcaaatt gctcacctgc ccctctaaaa 120
tttaattggga ttgggcttat cccaattcaa tcaaatttat ttcccaacac acatcaaata 180
ttcacttaat gcatgtgaaa ttacaaaatt acccctaata caaaaagtag tctatgtgcc 240
ctaaaataca agggctgaaa aatcctacat ttctagaata ccctacctac attatggagc 300
cctaaataca aagcccaaaa agtgtagaaa tcttaattcta atg 343

<210> 7972
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 7972

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 acaatatcgg tttttaaaaa ctgatgctaa ttatgaacta ataacatcgc tttttttttt 120
 ggaaaatcaa tattaactat taattaacaa catcaatttt tgaaaaatcg atgttaacat 180
 tatgctagca atattgattt tcgaaaaccg atgttaaaga tattctttta tttagggaaa 240
 tgtcactgca aatagtttaa catccatttt ttcttgtaac caatgttaaa ctaactatgt 300
 tgaatgtact agtgatacca agtgcattga taaattgtcc ccattcttta ccaagaaatc 360
 aaagtg 366

<210> 7973
 <211> 340
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7973

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 acagcgaaat ggagaaagga aaagagagag gagacgccac ttcaaggaga agatgagtct 120
 aaaagaagct caccaccata ggaggccatg gataagagct tggangaaga aagagatgaa 180
 tgaatggagt gggagagaag agcacgaaat tttgtgctct aaatgagctt tgaaatctga 240
 agtttaatac tcaaatac aaagtttgaa aaaatgcaca cacatgacct ctatttatag 300
 cctaagtgtc acaaaaatgg gagggaaatt tgaaatttca 340

<210> 7974
 <211> 363
 <212> DNA
 <213> Glycine max

<400> 7974

tctacttttc ttctccttag tctcctcttc agtcttccca gtcattgtgt agacaagtgg 60
 cctcagatat cttaagaagg ggggggttga attaagatat tcgatacttt ttcttcta 120

taaaaatcta tcttactttt tacttaagtt atgaattccc ttaatgacaa tcttctttaa 180
tattaattca aatgaagcaa cttgaatatg aatataaagc aataataaat aaaggagatt 240
aagggaagag aaaatgcaaa ctacagtttta tactgggtcg gccacacct tgtgcctacg 300
tccagtcctc aagcaacctg cttgagagtt ccactaactt gtaaattcct tttacaagtt 360
cta 363

<210> 7975
<211> 285
<212> DNA
<213> Glycine max

<400> 7975

agcttcaagg atggatgaac ctcgatatca cgcataaata ttctatcttc aatatctaga 60
ttgctcacat ccacaacaat ttttgaagga atgtgctcag atggacagaa aaattttaga 120
ctaggtctga tcttattcaa aattcctcct gcaatggcat aaaagtttca accatattag 180
cattagaaca gaacattaga accacaaaaa aattcccat gatattatat taaattgaat 240
ttgcaacatt tggcaccgcg cccccctcca aaaataatga tattc 285

<210> 7976
<211> 340
<212> DNA
<213> Glycine max

<400> 7976

agcttctaaa ctttgtacaa gaatgaagct ctgataccac ttgttagaca agtggcctca 60
gatattctaa gaaggggggg ttgaattaag atattccaaa ctgtttcccc taattaaaaa 120
tctatttcac tttttactca agttatgaat tcccttaatg acaatcttct taaatattaa 180
ttcaaataaa gcaacttgaa tatgaatata aagcaattat aaataaagga gattaaggaa 240
agagaaaatg aaaactcagt tttatactgg ttcggccaca cccttggtgc tacgtccagt 300
ccccaagcaa cccgcttgag aagtccacta tcttgtaaat 340

<210> 7977
<211> 374
<212> DNA
<213> Glycine max

<400> 7977

tgtccaaaag ggaagcaagt taaaaactct ttttatagta aaagcgctgt ttctacttca 60
aaaccctttg aactacttca catagactta tttggtgcct ctagaactat gagtttgggt 120
ggtaattact atggcttagt tatagtagat gattactcaa gattcacatg gactttgttt 180
ttgaaaacca aagatgaagc ttttgatggg ttttgcaaac ttgccaaggt cattcaaaat 240
gaaaaaaggt cttaacattg tttcacttat aagttatcat ggaggtgaat ttcaaaatga 300
gtctcttgaa atgttttgtg aagaagatgg aattcaccac aactttttta ccctaagaac 360
acctcaacag aatg 374

<210> 7978

<211> 360

<212> DNA

<213> Glycine max

<400> 7978

tagactaagt tcagcctacc accctcagac tgattacctt actgaacgga ccattcagtc 60
actggaggac cttttgaggg catgtgtctt agagcaaaag gggagttggg agagttttct 120
gtcattgata gagttcactt ataacaatag tttccactat accattggca aggctcccta 180
tgaagctttg tatggtagaa ggtgtagaac acccttatga tggttagagc ccggggaaga 240
cctcacctta tgatctaaag tggtagaaca aaccaccgag aaggtaaagt tgatctagga 300
aaggatgagg actgcacaga gtatgcaaaa aagttatcag tgtaagacga gaaaagacct 360

<210> 7979

<211> 339

<212> DNA

<213> Glycine max

<400> 7979

agcttttaac tcggatgtcc gattgagtcc cttaatatgt cgagatgctc caaattgaaa 60
acggaagctc gtagcaaatg caaactgcaa taacttttaa ctcgatgtc cgattgagtc 120
gcatgatata tcgagacgct ccaaattgaa aacggaagta acaaattcaa acgacaataa 180
ctttgtactt ggatatccga ttgagtcccg taatatatcg agacgctcga aattgataac 240
agaagctctg agcaaattca aacgataatt actttattct cggatgtccg attgagtccc 300

gtaatatatc gtgacgctcc aaatctaaaa tagaatttt

339

<210> 7980
<211> 358
<212> DNA
<213> Glycine max

<400> 7980

tgtccctgtg cctcctcctg agatattggg ggtggtctat tttaatgata acatcctcac 60
cagatactcg tgtgccctat ttcataataa taatgtctgg ttaaaactct tggggacaga 120
caacgaaaaa gcataaatc aaatatgctt actggagggg caagaccatc atcatccagc 180
ttatcataag aaccatgtct cattccctga aaaatgaac ttggtgaagag accaccaaca 240
ccaaaccaat attcttttcc aaataaaaaat tgcaatgcat gaatagttgc ttgctaccaa 300
agccaaaatt ctcaccatgg tgtagctct atctggacgg ccaaaatctt ctttcact 358

<210> 7981
<211> 367
<212> DNA
<213> Glycine max

<400> 7981

tgtacctcac ttggggcaat tcagtttggg actcaggtgc attgccttgt tgtcaaagt 60
gggtttggct gtgaactgtt tgtgggtagt aatttgactg atatgtattc aaagtgcggg 120
gagttgtctg atgcatgtaa agcttttgag gaaatgcctt gtaaggatgc agtgttgtgg 180
acgtcaatga ttgatggctt tgtgaaaaat ggagatttta agaaagcttt aacggcttat 240
atgaaaatgg tcactgatga tgtttttatt gatcagcatg tgctttgtag tactttgagt 300
gcttgcagtg cacttaaagc ttctagtttt gggaagtccc ttcatgcaac cattttgaag 360
cttgat 367

<210> 7982
<211> 359
<212> DNA
<213> Glycine max

<400> 7982

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ctaattggttc attggataaa tggatattca acaagaacaa agaggaattt cagttggatt 120
 gggatacaag gtataacata gcacttggaa tagcaaaagg acttgcttat ctacatgaag 180
 attgtgactc aaacattatt cattgtgaca ttaaaccaga aaacgtgctc ctagatgata 240
 atttcagggt taaggtttct aattttgggt tggctaagct catgaaacgt gaacaaagac 300
 atgttttcac aacacttaga ggcactagag ggtatcttgc acctgagtgg atcacaac 359

<210> 7983
 <211> 364
 <212> DNA
 <213> Glycine max

<400> 7983

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 gggcaatccc ttctacagct tgccctgcaa cagtgccttg accaacccca agtccaatag 120
 aagcaagccc tacagtcaac ccatcatcaa taacagaacc agaagaaata aatggattca 180
 tgataattta ctcgtaacct aaatataaaa taaagaaata gttaatgata taatcaccca 240
 ataaaatatg acctaaagttt tcaattatca agatttattc gggctaaagt aattaataag 300
 aatttcgaat tgaatataat catagttatt gaactctacc aattacttcg agatttattt 360
 tctc 364

<210> 7984
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 7984

ttctaaagtt ttctggtttt ctaaaccctg aattcttggt ttattcatct tttcattctc 60
 ttatcccttt gccaaaaaga attctccaag gactaaccgt ctgaattctt tttgtgtctc 120
 tcttctccct ttccaaaaag aacaaaggac taattgtag acaagtggcc tcagatatct 180
 taaaaggggg gggttgaatt aagatattcg aaactgttcc ccctaattaa aaatctattt 240
 cactttttac tcaagttatg aattccctta atgacaatct tcttaaatat taattcaaatt 300
 gaagcaactt gaatatgaat ataaagcaat actaaataaa ggagattaag ggaagagaaa 360
 atgcaaact 369

<210> 7985
 <211> 332
 <212> DNA
 <213> Glycine max

<400> 7985

agcttcctcc attataaata aatttgacag cagaagtttt ctctttgaag ttttgtataa 60
 tattcctttc atacaaaatt tcatactttg gaaaaacata attaattgcta aaaacataact 120
 attgaaacat gtaattgaaa atacatgtaa tagaaattaa aattcctaaa tttcataatt 180
 aggggtttata cataattgag agaaattaaa tcattcctaa atttcataat tacgattcat 240
 aggagaaatc aatcatttct tggagaatca taaatttcat aacacatgtt ctgataccac 300
 atgtaaaaca ttaaggggtt ccctaaacta tc 332

<210> 7986
 <211> 354
 <212> DNA
 <213> Glycine max

<400> 7986

tatcccatgc ctcccttagct tgaaagatga tgtataaagc tttcttgctt ctctatcttg 60
 aatcctttta agtcttcttt tgtgcttacg aaagtgaagt ctcatcttgt cactccgtat 120
 agcctttttc aaccatttcc taaacatcat gtgtgatgca atccgacccc ccaagggcat 180
 tggatagaag actccaagaa gattacgcta gagatgtaag agaaggctct aggggttctca 240
 tgagccttat ggtagatttc aggcccacgg gttaagtatg agtccactta tctttgtaca 300
 tattagatta aggtttcatt atttttgggc cttgtattta gggctccata atgt 354

<210> 7987
 <211> 348
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7987

agcttggtgc acactttcaa ttgtcgaagc tgaatacata gctgcaagaa gttggtgtgc 60
 tcaaagtctt tggatgaagc aacaatgatg taagctccat tggagcttgt aggcctagga 120

tcttcttcat caatggattc ctttgcttct tggaagatga atggcagcgg aatggagaaa 180
 ggaagagaga gaggagacgc cacttcaagg agaagatgag tctaaaagaa actcaccacc 240
 ataggaggcc atggataaga gcttgaggga agaaggagat gaatgaaggg agagggagag 300
 aagagcacga aattttgtgc tctanatgag ctttgagatc tgaagttt 348

<210> 7988
 <211> 347
 <212> DNA
 <213> Glycine max

<400> 7988

agcttggaaac gaaaaaactg atttagtggt tgagacaggc ttttggtgaa gatgtcggcg 60
 agttgaagat aggaaggaac aaattgagta atgagctttt tggagagaac tatctcgca 120
 acaaagtggg aatcaatata aatatgcttc gcacgcttgt gagcaaccgg attatgggaa 180
 agaaatatag cacttttgtt atcacaagga agagtagggg gagtagagta aacatgcata 240
 tcgcgccgca aatgagtgaac ccacattagc tcagctgctg catttgccat agcccgatat 300
 tcagattcac agctggaacg agcaacaatg ggctactttt tagcact 347

<210> 7989
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 7989

ttcatttttt aaatggtaac tcaattattt atttcttaaa actaacgaaa tttattttat 60
 tttggaaaat aagtagttat attgattaat taaaaattaa ttaccaattt gatagatgga 120
 taaatacata gataatcaaa gtataagatt tcaaacttta agctctattt tactattttt 180
 taatcccttt tcccctagtt tctttcctat acaattcatt attaatgtcg tgatatatgt 240
 gtaatacttt ttatactttt cggaactaaa ttttgcatth catatgtcaa gggacacatt 300
 tcccagtaga gtgagaagaa gaaatgtaaa ataaatatta tgccaaatat ttggctgttg 360
 ctaggt 366

<210> 7990
 <211> 345
 <212> DNA

<213> Glycine max

<400> 7990

tgttgatctt ggacaaggcg gcatcactaa catgttcttc ttggacggac atgtgtcatc 60
agtgggagac attgtgacca atggaaaaag aaaagggcac gccttttgcg agcatgcaga 120
aaaggatgca agagacactg ctgattatc tgccgcaaag cattgtcgta tggaggcgct 180
catgctgcat aggtataagc gtggatctc aagtcttctt catcggatt cactcacata 240
cattataact ctctttttaa atcctgagag ataatactgc tcaatcggct ttcgaacata 300
caaagagaac acacgaggct ctaattgaga tggggaccaa acata 345

<210> 7991

<211> 379

<212> DNA

<213> Glycine max

<400> 7991

tccattttca atttcgagcg tctcgatgta tttcggggct taatcggaca tccgagtaaa 60
gtattactgt catttgaatt tgctacgagt attcattttt aatttcgagc atttttatat 120
attataggac tcagagggaa atcggagtaa aatattattg gggcttgaat tttctcaaag 180
gttctgtttt cagtttcaag cgtctcaaaa tattaaggaa ctcaatcaaa catctgaatg 240
aaaagttatc gtcgtttgaa tttgctcaaa gctattgttt tcaatttcga gtgtctcgat 300
atattatggg tctcaatcgg gcatccaagt aaaaagttat aatcgtttga atttgctcag 360
agtttcttct ttcaatttc 379

<210> 7992

<211> 354

<212> DNA

<213> Glycine max

<400> 7992

tcttagtctc agatgatgca gctgagtttg tttctacctc atgcactcct ctaatgacta 60
tggcatcatt tatggcgcta aactgctgag agttggaagc catcttctca attaaatttc 120
tggttcagc aggagtcag tctccaaggg ctccaccact ggcagcatct atcatacttc 180
tctccatatt actgagtcct tcataaaaaat attggagaag aagttgttct gaaatctgat 240

gggtgggggca actggcacat agtttcttaa atctctccca gtactcatac aggctctctc 300
 cactgagttg tctaatacct gagatacct tcttgatggc ttgggtcctg gaag 354

<210> 7993
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 7993

agcttgaaat tgataaacgg aagatgtcga taaattcaaa tggtcataac ttatcacacc 60
 gaagtccgat tcaggcacat aatatatcga gacgctcgaa attgaacaac ggaagctctc 120
 gagaaattca aatggtcata acttttcaaa tggaagtccg attcaggtgc ataatatatc 180
 gagaagcttg aaattgaaca aaggaagctc tcgagaaatt caaatgggtca taacttatca 240
 cacggaagtc cgattcaaga gcatactatg tgaagatgct cgaaattgaa caacgaaagc 300
 tctcgagaaa ttcaaattggc cataacttgc cacacggaag tccgattcag acgcata 357

<210> 7994
 <211> 366
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7994

ttgtgggact tagctcctaa acctttctct cacttgtcaa taggaaccaa gtgggtgttt 60
 caaaataaac ttgacgaatc tggcatcata gtaagaaata aagcaagatt gattgccaaa 120
 gggttacaacc aagaagaagg aatcgactat gatgaaacct acgctccagt tgcattggta 180
 gaagccataa gactgcaact tgaatttgca tgtatcatgg atttcagact ttttcaaatg 240
 gatatgaaga gtgtcttcct caatagtctc attgaagaag aagtgtatgt atatcaacca 300
 tcaggttntg tggactacaa acatcctaac catgtctata gagtgaaaaa gactttgtat 360
 ggtttg 366

<210> 7995
 <211> 274
 <212> DNA
 <213> Glycine max

<400> 7995

atcttgtgct gaagtaagta agacatgtgc ctgagatgca tttaaacctt atctcaacag 60
gaaagctagg tgaagctaga atgataaacc atttcggggt cggtagatga aagcttgata 120
caagaagcat ggttgttgct cgaagtaaga aagaaggctc cttgtacatc atgcagggaa 180
agatatgaaa aaggggagatg aatgttgctt aagatgcaac tcaagaattg tggcacgaga 240
gattgtgaca catgaatgag aaaggtttgg agtt 274

<210> 7996
<211> 363
<212> DNA
<213> Glycine max

<400> 7996

tcttttggac tcgatcccc tttatctcca tgctcaaaat atttttagca gctcccatgt 60
ccttcatata aaactactaa gtagtgactt cagcttctga attggcaaca aattttcaga 120
tgctatgagt atgtcatcca catagtgtag tatatagatg taggaaccat cctccacctt 180
actattataa acacattagt catagggact tctaattgtac acatgagaga caatgaactc 240
atcaaatctc ttgtaccact gccttagtga ttgcttcaac ccataaagag acctcttcaa 300
tatatagaga aaattttctt ttacttccac ctcaaaacct ctagattgat gcatcagaat 360
atc 363

<210> 7997
<211> 331
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7997

agcttgctaa cccatggaag ctctaataat ctcccacact ttttaggggg agccattctt 60
ggatggccct gattttctca ggtccacttg gaccttattt ctaccaacta caaaaccta 120
aaaaactata ttatctacac aaaagggtaca cttctctata ttttcataga ggggtgtttt 180
cctaaagact gaaagaactt gcctgagatg tcctaagtga tcatctaggc tcctactgta 240
cactanaata tcatcaaaat aaacaactac aaatctacct atgaaatccc ttaagacatg 300
atgcataagc ctcataaagg tgcttggtgc a 331

<210> 7998
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 7998

tctatagaag gtctgttccct aattttctcta catttgcac acctctcaat gagatggtga 60
 agaagaatgt ggcatttacc tgggggtgaaa aacaagagca agcctttgct ttgctcaaag 120
 aaaagcttac taaggcactt gttctagctc ttctgactt ttctaaaact tttgagctag 180
 aatgtgatgc ctctgaagtg ggagtttagag ctgtattggtt acaagggtggg caccctat 240
 cttattttat ggaaaaactt catagggcca cccttaacta cccacctat gataaagagc 300
 tttatgcctt aataagagcc ctctaaactt gggaacatta cctatgttac aaagaatttg 360
 tcattcata 369

<210> 7999
 <211> 297
 <212> DNA
 <213> Glycine max

<400> 7999

ataacaagct cctaccttgc aaagccagcg cggactatca acagcaaact gcataccaag 60
 tgcaacaaga atacctggga tgctagcaat atacaacatt gtcctccacc tgaaatatgt 120
 atctggtggt gccaaataag cattatttgg aaaacaattt tctgttttta aagactataa 180
 acacataatt ggtggaagaa tcgctgtgaa tttataagtg aaggcttgat ttcagtgagc 240
 catagagaag tatgtctcctt ttacattaag ttcaaaacat atcacaatga gtctatc 297

<210> 8000
 <211> 316
 <212> DNA
 <213> Glycine max

<400> 8000

agcttggttg catttgcaaa cttctatgta gtgcttaatg atctagatgt gtcaaagtgt 60
 gcaatcacca atgttggtat cacagttctc tcaagggtca gtctacctag cttgcaagt 120
 ttttccttgt ctggttggtc taatgtatca aacaaaagtg cacctttctt gatgaaattg 180

ggccatacct tactgggatt gaatcttcaa agctgcaatt caattggcac caacacaata 240
gagttgtag tggaaaagtt gtggagatgt catattctgg cttaatcatg ttagaaacta 300
gaagtaaata aaattg 316

<210> 8001
<211> 358
<212> DNA
<213> Glycine max

<400> 8001

ctgggatgag ggctatgaat gaagcattgg tttctttggt gaaggagcca ttgatgtaaa 60
attcatccat gaacctgatg aaatctgggt tcaaaatctc caaaaaatgg ttaatgaaat 120
tgaaatttaa tccatccggg gcaggacttt tgtccccccc cccccccacc acaatcccaa 180
actgttgatt tgatctccaa ttcagaaaat ctagacacaa ggctgtcttt atctcttaag 240
tcaagagaag aaaattggac accatccaag gttggtctac tacaacattc ctcggaaaat 300
ctgtccttga aatagaagat agctgcattt ttaacactgc aaggttcatg caccacaca 358

<210> 8002
<211> 352
<212> DNA
<213> Glycine max

<400> 8002

agcttctaaa ctttatacaa gattgaagct ctgataccac ttgttggaca agtggcctca 60
gatatcttaa gaaggggggg ttgaattaag atattccaaa ctacttgccc taattaaaaa 120
tctatttcac tttttattca agttatgaat tcccttaatg acaatcttct taaatattaa 180
ttcaaataac acaatttgaa tatgaatata aagcaataat aaataaagga gattaagggg 240
agagaaaatg caaactcagt tttatactgg ttcggccaca cccttggtgcc tacgtccagt 300
ccccaagcaa cccgcttgag agttccacta tcttgtaaat tccttttaca ag 352

<210> 8003
<211> 291
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8003

agcttctaaa ctntatacaa gaatgaagct ctgataccac ttgttagaca agtggcctca 60
aatataataa gaaagggggg ttgaattaag atattccaaa ctacttcccc aattaaat 120
ttatttctact ttcttttcaa gttatagatt cccttaacaa tgaacttctt aaatattaat 180
tcaaataaaa caatttgaat atgaatgtaa accaataata aacaaaggag attaagggaa 240
gagaaagtgt aaactcagaa ttatactggt tcggccacac ccttgtgcct a 291

<210> 8004
<211> 348
<212> DNA
<213> Glycine max

<400> 8004

agcttgtgca tcctataccc tgatgaggat gtcccatatg ttcttaagac tggactgatt 60
catttgcttc caaagtttca tggccttgca ggtgaagacc cacacaaaca ttgaaagaa 120
tttcacattg tctgctccac catgaaaccc ccagatgtcc aagaggatca catatttctg 180
aaggcttttc ctcattcatt aaagggagtg gcaaaggact ggctgtatta ccttgtctca 240
aggccatca cgagctggga tgaccttaag agagtattct tagaaaaaat tttccctgct 300
tccaggacca cagccatcag gaaagatatc tcaggtatta gacaactc 348

<210> 8005
<211> 334
<212> DNA
<213> Glycine max

<400> 8005

agcttcaaca tcataccact tctcaggtgc tggaactact tcacatggat ttgatggggc 60
ctatgcacgt tgaaagcctt ggaggaaaga ggtatgccta tggtgttgcg gatgatttct 120
ccagatttac ctgcgtcaac tctatcagag agaaatcaga aacctttgaa gtattcaaag 180
agttgagtct aagacttcaa agagagaaag actgtgtcat caatagaatc atgagtgacc 240
atggcaaata gtttgaaaac agcaggttca ctgaattctg cacatctgaa ggcacgctc 300
atgagttctc tgcagccatt acaccacaac agaa 334

<210> 8006
<211> 384

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8006

tgaaggcaaa ctggatgcgc tgggtcaactt gggtacccat ctggccttga atcagaaatt 60
tgtacctgtc gcaaggggtt gtgggtttgtg ctcctctgct gactaccata cagacctttg 120
cccttccatg cagcaacctg gagcaattga gcagcctgaa gcttatgctg caaatattta 180
caatagacct cctcaacctc agcagcaaaa tcaaccacag cagagcaatt atgacctttc 240
cagcaacaga tacaacctg gatggaggaa tcaccctaac ctcagatggc ccaaccctta 300
gcaacaacaa cagcagcctg ctccttactt tcaaatgtt gctggcccaa gcagaccata 360
cattcctnca ccaatccaac aaca 384

<210> 8007
<211> 267
<212> DNA
<213> Glycine max

<400> 8007

tgaaattaaa caacggaagc tctcgatata tttttattgt cataactatt aactcggagg 60
tccgattcag gcgcgtaata tatcgagacg ctcgaaattg aacaatggaa gcttttgagc 120
atatcaaagt ggtcatactt tttcacttgg aggtccgttt caggcacaat atatatcgtg 180
actctcgata ttgaacaccg gaagctctcg agaaattcaa atggccatat cttttaactc 240
ggaggtacag accaggccca taattta 267

<210> 8008
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8008

agcttaacat ctgtttnttt aaattttgat gttaatatat acatataaca tcatgttcta 60
ctaacaacca atgtttgttta ttggaatttt ttaatgtgct gtctattttt tttaataacc 120
caaaattaat ctacaatatt aaaaaacata accacgacaa ataattttca ttctatcttc 180
aaacaatttt tagtagaaat ctcataaaaa ttgaatatat actatgaatt aaaagaatat 240

ttaatgtgca tataacatga attgtaaata ttgtaaatta actaaactac aattccaaaa 300
 ttacttaaac actaattatt tcatttntaa ctttcaaata gtagtttgtc cactggatgc 360
 aaagcacctt caatctcttt agtttcaat 389

<210> 8009
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 8009

catgtgacct atgaaactaa gctatgctgc aacatttaca acagacctcc tcaactctca 60
 tcagcaaaat caaccacagc agaacaatta tgacctctcc agcaacagat acaatcccgg 120
 atggaggaat caccctaata tcagatgggc tagccctcaa caacaacaac agcagcctgc 180
 tccttccttt caaaatgatg ctggcctaag caagccatac attcctccac caatccaaca 240
 acagcaacag ccccgaaac aacaaacagt tgaggctcct ccgcaacctt ccctcgaaga 300
 acttgtgagg caaatgacta tgcagaacat gtagtttcaa caagagaaca gagcctccat 360
 tcagagctta actcgccaga tgggacaatt ggctacacaa ttaaataaac atcagt 416

<210> 8010
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8010

tcttagtctc agatgatgca gctgagtttg tagctacctt atgcactcct ctaatgacta 60
 tggcatcatt tatggcgcta aactgctgag agttggaagc catcttctca attaaatttc 120
 tggcttcagc aggagtcatg tctccaaggg ctccaccact ggcagcatct atcatacttc 180
 tctccatatt actgagtcct tcataaaaat attggagaag aagttgttct gaaatctgat 240
 ggtgggggca actggcacat agtttcttaa atctctccca gtactcatac aggctctctc 300
 cactgagttg tctaatacct gagatatact acctgatggc tgtggctcctg gaagcagga 360
 aacttntttc taagaatact ctct 384

<210> 8011

<211> 384
 <212> DNA
 <213> Glycine max

<400> 8011

tgcagacaga cgacaccttt atttttgact agagaccacc agcacgacac gtggcctcag 60
 atatcttaag aaggggggggt tgtaatacca tattacaaat tattttccca gttaaaaatt 120
 ctatttaaca ttctatccaa gttataaatt tccttaataa tgaatttctt aaatgttgat 180
 tcaaatagaa caatttgaat atgaatataa aacaataatt aataaaggag tttaaggga 240
 gagaaagtgc aaactcatat ttatactggg tcggccacac ccttgtgcct acgtccagtc 300
 cccaagcaac ccgcttgaga gttccactat ctttgtaatt cctttacaag ttctaaacac 360
 acaaggacaa tcccttcttt gtgt 384

<210> 8012
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8012

tcacaaattc aattgattat tgtcaatcta tttttcagaa tagttacaaa ttaaaattta 60
 aatacaaagc aaatttgagc aaaattgagt tacattaatt ttacctcact ttcaaaatgg 120
 ttttacatca atttttttta aaaggcaatt tcaagacgct ttcgattgtg tttttgtttt 180
 tttaatctat tttttacaat aattttttaa atagagatgt tttgattttt ttagtttttt 240
 agtcaccata gcattgcatt agtataaaat attaataat tttactaatg actaattttt 300
 tataaagaca tatatttatt aatactaaat aagttattta tactaataca actcagtttt 360
 aattattaat attatcttat ntatatatac taat 394

<210> 8013
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8013

agcttctagc nattcaacca tatttctntg tactcggatg tccgattgag ttccgtanta 60

tatcgagacg ctcgaaattg aaaacagaag ctctgagcat attcaaacga acattacttt 120
 tttctcggat gtaccattgt gtcccttaat atatctagac gctcgcaatt gaaaacggaa 180
 gcctcgtagc aaattcaaac gaacaataac tttaactcag atgtctgact gagtcccgtg 240
 gtatatcgag acgctcgaaa ttgaaacata aggtctgagc aaattcaaac gacaataact 300
 ttttactcgg atgtccgatt gagtcccgtg atatatcgag acgtccaaa ttaaaatagt 360
 agctcctaca aattcaaacc atataacttt t 391

<210> 8014
 <211> 281
 <212> DNA
 <213> Glycine max

<400> 8014

agcttctcga tatattatgt ccccgatatca gacatctgtg ggaagagtta tgaccatttg 60
 tatttctcga gagctacctt atgttcaatt tcgagtatct cgatatacta ttttcccaaa 120
 tcggatatcc ttgtaataac ttatgaccaa tcgaatttct cgagagcttc tgttgtaaa 180
 tatcaagcgt gtcggtatat tatggcctat aatccgacca tccagtgaag tagtatgact 240
 agtcgacttt ctcgagagct tcctttgttc aatttcgagc g 281

<210> 8015
 <211> 350
 <212> DNA
 <213> Glycine max

<400> 8015

agcttcattc ctttatcact catatttcca agtcttttat gccacaaggc tgaattattg 60
 acagcctcag taactgctac catatcctca tatgtaatca tgtaaagaga tcctcgcttc 120
 tttccacgag ccacaatgag attgcctttt gttaccttcc aagctccatc tccaaaagtg 180
 gtgtgatgtc cttatcatc caactgccct atagatatta aatttctctt taaggcagga 240
 atatgtctga cattgtgcaa tgtccatagg gatccactgg aggtcttgat gtgatcac 300
 ctcttcgac aatgtcaaga gattttccat ctgcaaagga aacttttcca 350

<210> 8016
 <211> 390
 <212> DNA

<213> Glycine max

<400> 8016

ttgaacatga attgtttgac cgtttctcaa acatttattg gggacccaat ttcagggtta 60
gggttttagt tgtaacaaca gcaacttttag taactaatta acagtaactt ttacaagtaa 120
tttatcaaac aatattaatt caaccaacta gcttataatt attcagtttt tcaacttcta 180
atattattagg ttataattaa ttcaattaag tttttcatca taactttaaa cactcaatta 240
attgttttta ttgtttttct ctatctcttt ttgttatatc acattatata ttatgtttat 300
cactatttct cttgaaagtt gttagtcgaa gctgagtaaa ggtgttaaatt aaatttattg 360
aatttaattg attatagcaa atttgatata 390

<210> 8017

<211> 296

<212> DNA

<213> Glycine max

<400> 8017

agcttaatga atatgtttgg tattatttcc atacaggggt tttgttcaag aggaagaact 60
gctaacatta gatgtgcaac ctggatgggc gattggagca tggattacat ttgtaggaac 120
aggatttgat agaccttttag cgtacagaga tgatatagta tttatcatct ccagaagatg 180
gctccaatta tttagaagag aaggggatga tatggaattg agtgataaaa ttcccttagt 240
aaaggcactt actgagtgtg caatattatt cccactattg agtcgagagc acatga 296

<210> 8018

<211> 365

<212> DNA

<213> Glycine max

<400> 8018

tcaagtggac taacttcaat cttgaagagc aagtctctgg tgataattgc tccacggagc 60
aacaatgaga tggatgcac caaactgaat aacgagatcc ctgagcttct ttccatcaag 120
gaatcactga tcaagtatgt ctttgagcca aacaagaaaa ctgcttaaaa gtattgagcg 180
gtttcatgtt ttagaaatca aagattatgc atttctgttg cgggctacat agaacacttt 240
ttatttcatt gttatttcgc tgggttttga taataacctt actataaaaag ctagccatgt 300

ggttctcggt ctcatagcta caagtgattt cagggtttatt attatgttca tcatgttact 360
gtgtt 365

<210> 8019
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8019

agcttcaatc atgtgggtga aaaatgtgtt cctagttgat ttggttcatg acaaagaaag 60
aggtagaatt ttgaaattgg atagcattat ttctggggac cagtggaaaag aagtggatgt 120
tttgattntc aacacctacc attggtggac tcacactgga cagtctcaag ggtaatgaag 180
ctttttgaat ttttaaccac tttttttggc gtttatgaga ggtgctagcc atgtggctaa 240
tgacatcatt ttaatgtttt attgtagggt ggattacttt caagtgggca atgaattaag 300
aaaggaaatg gatcacatgg aagctttcaa gattgggctg agtacttggg ctaaatgggt 360
tga 363

<210> 8020
<211> 393
<212> DNA
<213> Glycine max

<400> 8020

tgaacaaca gaaatgttgc actgcatcaa gcatttatta tgagctgact aatttcaaga 60
acagtagcac ataccacaaa cgtattggct ctaacaacat caagcatagt gactcccaaa 120
agtctcttgg gatcgtaagt accagctctt ttgaaaactt cggctgcaat tctggactgt 180
ggagttaact ggattgttta tcacattgac aatggcttta ggacagcact ttgcaattgc 240
ttcacacaat gttttaacaa ttccagcatt tatattgaag agatcatctc ttgtcatttc 300
cagggttcta ggaacaccag cagggatgat caccaagtcc atgcctataa gtgcatccct 360
aagctgttgc tgtcccaaaa attctcgaac cta 393

<210> 8021
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8021

agcttgcaga atgcgctcgg nctgtttaat atttaagatt tatgacatgg atgaatttaa 60
gcaattttttt tttcaagttg agaaaaaat aatgaaaata agctgcaa attttttaaa 120
ttaggttaat actgtgtact ttctatagaa ttgaaaaacg ataaagacaa aagaataatt 180
aatatatagt atgaaaaaag tattgtgata ttgaagatgc tatacggaca caatttttta 240
tgatattaaa taatcaatgt actgaattac tataataata tatataaagt taaatgttat 300
tatatgagaa atattatcaa tatattttta acattnttta ttattgacca caatttatta 360
aaaataacat attgttggtt ttacttttta tttaatgatt 400

<210> 8022
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8022

tgcttaggac atagggatca tgccccccac ccacaaatat tttttaatat aatgagaata 60
tcgtttttat atgaaagtaa taagaaaaat aagtattaat cattaaatct tatcatgaat 120
gctcatttga attttttaat agtcccatta atttcttatg ccactctcat ataaaaataa 180
ttcttccact agatttgtct cctataacat tatgaaatat tctntaaaat tatttatttc 240
tcaattatta atgattttta gtcattgaca gagcttatag aattttaatt tgcaaacttt 300
tagttgctga aagagcataa acaatgtaat attcattcat cttctttatt atgggttatat 360
tttatagaca atttatgtta atattgcatt ta 392

<210> 8023
<211> 405
<212> DNA
<213> Glycine max

<400> 8023

agcttgtctt cctccacaag agatgttcca actgaataac cctgagcctt gtaaaaggta 60
aagatcattc ctccaccaag caagagaaca ttaactttct ccaacaagga ttcaataact 120
ccaatcttgg aagacacctt cgatccaccg acaatagcag caaatggtct cttgggggtt 180

gacacagccc caactagata atcaagctcc tgaacaatt aaaaatacat cagatcaatc 240
aactgtataa attacataat tacccaatat atatataatg aagctaacaa ttacttccta 300
caaaccttct gcattaggaa tcttgcaaca gagggttca agtatttggc aactccttct 360
gtagaagcat gagctctgtg ggcagtgcc aatgcatcat tcaca 405

<210> 8024
<211> 394
<212> DNA
<213> Glycine max

<400> 8024

tgtgcattca atacctgat gagggtgttc catatgttct caagactgga ctaatacatt 60
tgctgccc aa gtttcatggt cttgcagggt aagatcctta taagcatctt aaggagtcc 120
atattgtttg ttccaccatg aaaccccta atgtccaaga aggtcatatc tttctaaagg 180
cttttcctca ttctttggag ggagtggcaa aagattggct acactacctt gctcccaagt 240
ccattttcag cagggatgac ctttaagagg tggtcttgga gaaattcttt cttgcatcta 300
ggaccactac catcataaaa gacatttcac gcatttggca acttattgga gaaagcttat 360
atgaatactg tgtgagaatt cagaaactat gtgc 394

<210> 8025
<211> 390
<212> DNA
<213> Glycine max

<400> 8025

agcttccttt cgtaagattt agaattta atgataactc tactcctttt ttaattgaga 60
aacaatatata gttggcaata tgataatttc accgatacaa aataaaaaata aaatacaatt 120
ggatcgcaac caaaataaca aaataagaat tacaagttat atataatat aatataatat 180
ttgaagacta attaaatttt gatactgtta catttatctc cccattaaaa aatgtcatat 240
tgttatattt acaataaaaa ataactatga aggagtgtgc taatttatct atcagtatat 300
ttacatgata tttcctaaat ttaaataaat attaatgttt catattccaa aagatgaaat 360
atttaaaatt aatgatacaa ataagattat 390

<210> 8026
 <211> 318
 <212> DNA
 <213> Glycine max

<400> 8026

tatgctgcaa atatttgcaa tagacctcct caactctcag cagcgaaatc aaccacagca 60
 gagcaattat gacctttcca gcaacagata caaccctgga tggaggaatc accctaacct 120
 cagatggtcc agccctcagc aacaacaaca gcagcctgct tcttcctttc aaaatgctgc 180
 tggcccaagc agaccatata ttctccacc aattcaaca cagcaacaac ccctgatata 240
 gccaacagtt gaggccctc cacaaccttc cctcgaagaa cttgtgaggc aaatgactat 300
 gcataacatg cagttttt 318

<210> 8027
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 8027

agcttcatgc ttaactatgt atggtaaaac ttcattactg gtgttcaaga catacaagt 60
 agcttggtac aaatcttcta cactcggaga gatcacatgc agtcctcttg aacccttacc 120
 acccactctg tcatgatgcc gagactcagg aagcccaaca ggtttagctc tctcttagtc 180
 ttctgaacaa aatacaatgg cttcttgctgc aatgtacctc tcaacaatag atgctcttgg 240
 acgatataaa ttctccgtat acccttttaa gatacttatg tatcgctcaa ccgggttcat 300
 ccaccgtaga taaacaagac cacaacattt gatttctctg accagatgca caatcaagt 360
 aatcatgatg ttaaagaaag cgggggga 388

<210> 8028
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 8028

tcttattttc agcagatgaa gatgaatttg tggccacatc atggactcct ctaaggacaa 60
 tagcatcatt tcttgcaatg aattggtggg agttggaagc catcttctca atcagattcc 120
 tagcctcaac aggagtcata tcaccaagag ctcaaccact ggcagcatca atcatactcc 180

tctccatggt actaagtccc tcatagaaat attgcaaaag gagttgctca gaaatctggt 240
 ggtgaggaca acttgcacac aatttcttga atctttccca gtactcatac aagctctctt 300
 cactaagttg cctgatgtcg gaaatgtctt ttctgatggc agtggtccta gatgcaagga 360
 agaatgtctt caagaacac 379

<210> 8029
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8029

agcttgcctt tacaaaatat cattatacaa anttgattgt cttagactt taatgttatt 60
 atatgcaacc acaacaaaag aaaatgcatg ccaaattcac aagtcctgtg ttgcaactgc 120
 ttcgagcata attattgggt tgcaatgatc acctacaata aattgacctt tccaagggtgc 180
 atgataatth tttcattcct agtgcataca atcaactgaa tccaacatac ccggaatgcc 240
 acatgtctcc tccatttgta gtaggtggcg gaaacattag aacaaataga ggattttgag 300
 aatttttgggt agaagaaggt acacaattht gtatataatt gtatgtggag ttgtttgggt 360
 gtgggtggaaa cataaggaaa aatggatgga aacatttgct aag 403

<210> 8030
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8030

ntgagcaaat tcgaacgaca attactthta acttgatgt ctgattgagt cccgtaatat 60
 atcgagacgc tcgaaattga atgttgatgg tcgttgcaaa ttgaaacgac aataacttht 120
 tactctgatg tctgattgag tcccgtata tatcgagacg ctcgaaattg aatcttgatg 180
 ctctgagcaa attcaaacga caataactth ttactcggat gtctgattga gtcctgtaat 240
 atatcgagac gctcgaaatt taatacgaaa gctatgagca aattcaaacg acaataatth 300
 ttactcggga tgtctgattg agtctcgtaa tatatcgaca cgctcgaaat tgaatgttga 360
 tgctctggtc gatttcaaac gacaataatt t 391

<210> 8031
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 8031

agcttcagaa ttcaatttcg cgcgtctcaa tattttacgg gactcaatca gacatccaag 60
 caaaacatta ttgtcgtttg aattagctca gagcttcaga attcaatttc gatggtctcg 120
 atatattacg ggtctcaatc agacatctga gtaaaaaagt tattatcggt tgaatttgct 180
 gagagcttca acattcaatt tcgagcgtct cgatgtatta cgggacttaa tcagacatcc 240
 gagtaaaaag ttatcgtcgt ttgaatttgg tcagagcttc aacattcagt ttagagcgctc 300
 tcgatatatt acgggactca atcagacatc cgagtaaaaa gttattgtcg tttgaaaatc 360
 ctcagagctt cggatttcaa tttcgagcgt cttgatata 399

<210> 8032
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 8032

tgcttaaaga catatttgggt taattaatta ttttaaaacc tagtgaaata ttaactaaaa 60
 aaagaaactt ataaaatttt atataagtaa tgtagaaatc caaaaataat tgataaacia 120
 aatcatattg aattcaagtc gttaaagcac aaagtatatc aaacgaatat aaaaagagca 180
 taatattaaa aaatgtatgg attatagatg gtttacta ataaagccaa aaaaaatta 240
 ttattagtta aattaacaat ttttaatcca atttttgaat atataattat attaaatatt 300
 cttatagaga atatatctac aataatttca ttttagtcta ctcaagtc atcttatata 360
 ctattgatcg aggtcgt 377

<210> 8033
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 8033

ttgaatgcac tattcaatgg agttgacaag aacttctttt gactgatcaa cacttgaca 60

gtggccaaag atgcatggga gatcctgaaa atcactcatg aaggaacctc caaagtgaag 120
atgtccagat tgcaactctt ggctacaaaa ttcgaaaatc tgaagatgaa ggaggaagag 180
tgtattcatg acttccacat gaacattctt gaaattgcca atgcttgac tgccttggga 240
gagaggataa cagatgaaaa gctgggtgaga aagatcctca catccttgcc taagaaattt 300
gacatgaaag tcaactgcaat agaggaggcc caagacattt gaacatgaga ggtgatgaac 360
tcatcggttc tcttcaaacc t 381

<210> 8034
<211> 366
<212> DNA
<213> Glycine max

<400> 8034
tcagtccttg ataaactggg tcccagaaga caataggagg tgaatattgc tgaaaaccct 60
agccttgcaa caagtcctag ggaagtagac acggagatgg acaagaaaat ccgcagtata 120
gtgagtagca ttttgaaaga agcttctgtg cctgatgttg agaaagatgt tccaacatct 180
ttcggcccaa atgctgaagc cctcccttca cccagtgaag aggaatcaac agaagaagag 240
gatcaagcct caaaggagac tcctgcacca cgggcaccag aacctgctcc aggtgacctc 300
attgacctgg aagaagttga ttctgatgaa taaccattg ccaacaggtt ggcacctggc 360
attgct 366

<210> 8035
<211> 383
<212> DNA
<213> Glycine max

<400> 8035
acgccaccgg catgcatgca agcttttcta tgagggttga tgggttctgt cgtttagaat 60
ggcatgagca ctggctgaca tattgtcaat tatctcaatt gcttcttctg aggtcttcag 120
ctttattttc cccctgtag aaacatctac cagttgcttg gtttgcggtc tcagcccatc 180
tataaacata ttcaattgaa ttggctcgta aaacccatgg gtgggagttc ttcttaataa 240
acctctgaac ctctccaatg cttcactcag agattcatca gggaactgat gaaatgaaga 300
gattacagct ttcccttctg cagactagga ctctgggaaa tatttcttta gaaacttttc 360

aacgacttct tccatggttt tca

383

<210> 8036
<211> 385
<212> DNA
<213> Glycine max

<400> 8036

ttattcaaga caattcaaga caaagcaatt aattatatcc aagatggatg atcaagacag 60
tctatagagt cttagaaagg gtatattaaa taggaaggga attccaattg aagtagcaaa 120
aggtttggcc aagaaaatta agttaaaaag tcttttacia gaaatttact ctctggtaat 180
cgattaccag aggatgtaat cgattaccag tggccaaaac tgatttacia cagctattaa 240
aatttgaatt caaaatttgc cctgtgtaat cgattacaca tatatggtaa tcgattacca 300
gcagtttctg aacgttttaa ttcaaaattt taaagcttgt aatcgattac acatatactg 360
taatcgatta ccagagcaga ttttc 385

<210> 8037
<211> 368
<212> DNA
<213> Glycine max

<400> 8037

agcgtggact agagattttc tctgtatcca tttggggcta cagctatcat gctgagaact 60
aaagccagtg aaatttagtg aactcttggg agatctttgg cccagcttat tggcagcaat 120
gtggcgctgc acccattcca ctccaggttca cactctttac gttgctccgg aatctcaact 180
tgtaaatgat cattgattgt atggatgggg tagacataat aagcttcagt ttgacacaag 240
gatggcaaaa tctctatgga tcacttcgtg ttgaaaagga agtctttgac aattctgaat 300
agatacgaat taccttctgc ttgcgcgcgc cttatggaat cctgcggggg gagcttaatg 360
aacaatgc 368

<210> 8038
<211> 384
<212> DNA
<213> Glycine max

<400> 8038

tgaggataga gacttcccaa gctatattatc ttctctctca aagaggctct ctaactttct 60
 agcttttctca ctctaagaag tggattcact cttgtcttgg atggttaaga atgaaggctc 120
 ctacccttat ttatactact ccacctccac aatgaatggg ggagattaat tctctagaat 180
 gctccacaca ttctaggagt ctctacactc ttctactccc ttccatatcc tttcatactc 240
 ttccagaagg ttcaagaagg tttcacatat ctctagaata ttctagaggt ttccacagtc 300
 tttcacaagc ttctagagag ttctacccta ctctagaggt ctacaggacg ttctagaaaa 360
 ttctacactt ttctagagag ctct 384

<210> 8039
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 8039
 agcttttctc cggatgtccg attcatgccc atcatatata gagacgctcg atattgaaca 60
 acggaagctc tcgagaaatt gaaatgatca taacttttca ctcagatttc cgagtcacac 120
 gcataatata tcgagacgct cgaaattgaa ctacggaagc tctccagaaa tctatatgat 180
 tataaatata tcaactcggat gtccaattga ggaacatcag atatcgagac gtcgaaatt 240
 aaacaacggg acctctcagg aaattcaaat ggtcataact tttctaacgg agatccgatt 300
 caagcacatc acatatggag acgtccgaaa ttgaaccacg gaagatctcg agaaaatcaa 360
 atggctctaa c 371

<210> 8040
 <211> 400
 <212> DNA
 <213> Glycine max

<400> 8040
 agcttgaaga caagactata cgaggatatc tccttgggta tagcaatata tctaagggct 60
 accgtgtcta caacttgcaa actaagaaac tcgtcattag tcgagatggt gaagttgatg 120
 aatatgcttc atggaattgg gatgaagaaa aagtggagaa gaacgttctt ataccgctc 180
 aactacctca agaagaagat gaggaagaaa acccaggtga accaccttca cctccatcac 240
 aacaacaaga tcaagaacta tcatcaccag agtctactcc aagacgagta agatctttgg 300

tggacatata tgaaacctgt aacttggcca tacttgaacc tggaagcttt gaagaagcgt 360
caaagcacga aatatgggtc aaggcaatgg aagaagagat 400

<210> 8041
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8041

ntgagccaat tcaaacgaca ataacttttt actttgatgt ctgattgact ctcgtcacat 60
atcgagacac tcgaaattga atgttgaagc tctgagccaa ttcaaacgac aatatacttt 120
tactcggatg tctgattgag gcccgtaata tctcgaaacg ctcgaaattg aatgttgaat 180
ctcttagcaa attcaaacgc caatatctct ttactcggat gtctgattga ggcccgttat 240
atatcgagac gctcgaaatt gaatgttgaa cctctgtgcg aattcaaacg acaataacta 300
tttactcaga tgtctgatat agtctcgtaa tattatcgag acgctccaaa ttgaatgttg 360
aagctctgag ctaatttaaa cgacaacaac ttttta 396

<210> 8042
<211> 393
<212> DNA
<213> Glycine max

<400> 8042

tcttattttc tgcagatgaa gatgaatttg tggccacatc atggactcct ctaaggacaa 60
tagcattatt tcttgcaatg aattgtaggg agttggaagc catcttctca atcagattcc 120
tagcctcaac aggagtcata ttacctagag ctcaaccact ggcagcatca atcatactcc 180
tctccatgtt actaagtccc tcatagaaat attgcaaaag gagttgctca aaaatctggt 240
ggtgaggaca acttgcacac aatttcttga atctttccca gtacttatac aagctctctc 300
cactaagttg cctgatgtcc gaaatgtctt ttctgaaggc agtggtccta tatgcatgga 360
agaatgtctc caataacact cttttatgtc atc 393

<210> 8043
<211> 357
<212> DNA

<213> Glycine max

<400> 8043

gtgaactatg aaactcagct tatagggtc acgatatttt gttaaata agttcaacat 60
cggttttttt aaaaacaccg atgttaacaa catgatgtta aggctaacat tggttttctg 120
gaaaaaacccg atgttaactt atcaaacgtt aacatcgggtt ttctcaaac ccgatgttaa 180
taaacttatg ttgacatcgg ttatttgga accgatgtta actaatcaat gttaacatca 240
ttttttccaa taaccgatgt taatgcactt cgctaacatc ggttttgtga aaaaccgatg 300
ttaacagata catagtattt acaattatgc caccacgctt accttgacat ctatttt 357

<210> 8044

<211> 350

<212> DNA

<213> Glycine max

<400> 8044

agcttgaaat ttaacaacat aagcttttga gaaactcaaa tggtcataac ttgtcacacg 60
gaagtccgat tcatgcgc atatatattga catgctcgaa attgaacaac gaatgctctc 120
gtgaaattca aatgggcatg acttgtcaca cagaagtccg attcaagtgc ataatatatc 180
gagacactcg taattgaaca tccaaagctc tcgagaaata caaatgggtca taacttatca 240
tacggaagtc tgatccatcc acattaatat atcgagaagc ttgacattga acaacggaag 300
cttctcgaaa acaaaaatgg tcgttcctta tcacacggac gtccgattca 350

<210> 8045

<211> 392

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8045

tctaaactnt atacaagaat gaagctctta tactacttgt tagacaagtg gcctcaaata 60
tcttaagaag gggggggggt gaattaagat attccaaact acttcccaa ttaaaatcta 120
tttactttc ttttcaagtt ataaattccc ttaacaatga acttcttaa tattaattca 180
aataaaacaa tctgaatatg aatataaagc atttataaac aaataatatt aatggaagag 240
aaactgcaaa ctcagattta tactgtttcg gccacaccct tgtgcctaca tccagtcccc 300

cagtaacccg cttgagagtt tcactatctt gtaaatttct tttaacaattt ctaaacacac 360
aaggacaatc ctatctttgt gtttagaatt cc 392

<210> 8046
<211> 403
<212> DNA
<213> Glycine max

<400> 8046

aagctccttc aactgcacat ggctcttaat atttgaatgg tatccctgtg gaaccttcac 60
ccgatgaaga caccgacgaa gacttatatt ctcatcttctg gacaaagtat ggcaagctgg 120
gggcaagtaa attttcttcc catcatacct tggatgcaac tgtgatcgta tccccatc 180
agctagatct tgacgggtat tcaagtcata ctctgtcttg ccttgaatgt tgagaagcgt 240
cccaatcaca ctatcacaaa catctttctc cacatgcata acatcgatac aatgtctaata 300
gtctagatca gaccaatact gaagatcaaa gaaaatggac ctcttctttc atatgaaact 360
cttactttta tccatctttt ggggtatgtct aaatacatta ttc 403

<210> 8047
<211> 360
<212> DNA
<213> Glycine max

<400> 8047

tttacgtaaa aaccaaactg atcgctggaa tgaggattgt caagaggcct atggaaggat 60
caagaagtgt cttatgaatc cccctgtgct tatgccacca gtacctggaa ggcctctcat 120
cttgatcatg acaatcttag acgagtcaat ggggtgtatg ctggggcaac atgacgaatc 180
cggaagaaa gagcgcgctg tttactacct aagtaagaag ttcacgacct gtgaaatgaa 240
ttactccttg ctgaaagaa cgtgttgtgc tttagtatgg gcatcccatc gcctaaggca 300
gtacatgctg agccatacta cctgggtgat atacaagatg gacccggtta agtacatctt 360

<210> 8048
<211> 300
<212> DNA
<213> Glycine max

<400> 8048

aacactacta ctccctctaac aagtcacgac acccttgagt ttcctgaatg gatgagtgac 60
 ggtgatcaag agttgctcag agccaagcca cactgtgtgc gtgcggatgc ggttgtggct 120
 ttggatggga gaggtcatta tcgctctatc actgatgctg ttaatgcggc tcccagttat 180
 agtcaaagga agtatgttat ttacgtgaaa aaggggcttt acaaggagaa tgtggacatg 240
 aagaggaaga tgaccaacat catgcttggt ggtgatggta ttggccaaac aattatcact 300

<210> 8049
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8049

tgagcattcc aacgacgacg ttaacgtggg cttccctttt atcaactctt ttggcgattt 60
 agggcacgcc attgttggcc ctcttggcaa gctattcggt gatgtcatga tcgtgttttc 120
 tcattgcggt ttctgcgtca gctaccttat tttcatttcc accacgttgg cctatctcgc 180
 cggatgatgat gacacctcat cagcatcatg gtccctccttg ttttgggggt tcgccacgcc 240
 aaaggtgttg tttctgtggg gatgttttcc ctttcaatta gggctgaatg ctatcccaac 300
 attgacccat ttggctcctt tgagcatttt tgctgattnt gttgacattg tanccaaaag 360
 tgtggtgatg gtggatgatg tctttgtgtt catg 394

<210> 8050
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8050

agcttgtcgg gtactgnttc aattaagttc ttggggcatc ccatggacta agcgaaaagg 60
 ctctagtat taaatactgc acatctttta aggcataaag cgaggatcgg aacctcaatc 120
 ctacgttctt tttaaaggac tgtgatgaga gaatttacia aggacaggaa tccctggggg 180
 aaaccaagaa gaacacaaaa aataaaaaa tgcagcgact ccctcaattg cccagatcc 240
 taagcgtaat atcgcttgac aacgtcgaag ttcacgggtg agggtagctc ctcgtcatcc 300
 atgttggcga gcaccagggc ccctccagag aaagcccttt ttacaacaaa aggcccttcg 360

tagttcgggg cccactctcc tctgttatct tgtagagctn gggagacttt cttcagca 418

<210> 8051
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8051

agggaataat tctacctata ttattggaat cactcatgct ataganatan nggagntata 60
tgaagagtta cggttacatt aataacttaa gtgggtaaga ttgattagat tttatttttaa 120
agtcaaaactt tcattataga cttaaaaaac tgataatcct aaatgatttg ataaatgtgt 180
aatgcacatg ttaactttta ctattatctt taatttaggc acatcatatg ataaaaattt 240
gtattcatgt tgtgaataag gtgggtagtc ctctaataaa caagggtatc cttntatcat 300
tagtgattaa cttttatccc tctaataatta ttactcaaaa gtcacatgtg aacatgaata 360
tatatgtctt atgcatcaaa aattgaactt atataagaaa gtatgtgtca tgctatctca 420
gaatttatca tacatg 436

<210> 8052
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8052

ctgccatgga agcacttgat ctgagtgaact tcgtttcaac caaggattgt cagaaggacc 60
tatatgagtg ccttactgct aagcgcatta tcttggcatc aatgagttca gaactccaga 120
ggcaacacca agacatggac ccatatgaga tcacgaaca tcttaagaag atgtacggtg 180
gtcaaagcaa gacggctaga tttcaggtat ctaaggccct gagtagatcc tcacttggtg 240
caaatgaaaa agttagacct catgttctta agatgattga tctcatagaa caacttgaga 300
aggtgggggtg cactctcggg aaagagcttt ctcaagactt gagtttgcaa tcactttctg 360
agtcantttc ataattta 378

<210> 8053
<211> 408

<212> DNA
<213> Glycine max

<400> 8053

agcttcattg gttgtatgag taggagatag tgctggagtt gaatcatttg gagtcaaggc 60
ttcttcatct atttcttcaa agtacgagaa aaatcataag tgtcttcttt ctctctccaa 120
ttccatgtgc cttcttcata gaactcggca tctcgggtca caattgtctt tccattgttt 180
ggattataca atttgtagcc ttttgaactt gcatcatagc caatgaacgc atgtttctca 240
ctccgatcat caagcttgaa tcttcttggg tcgggtacat gagcatatgc aatgctccca 300
aatactctca agtgatcaac tcttggcttc actccactcc atgcttcttg gggagggtga 360
tctttgacat tctttgttgg ggagcgattg gacaaataaa cggcacac 408

<210> 8054
<211> 316
<212> DNA
<213> Glycine max

<400> 8054

tttcacttct ccctatataa cctctcgctc ccaaactcaa accctaacct taaccttcaa 60
tcaaaaactca aaacttctct tttctttcat tctctctctt ttattcttat catcacaatg 120
ccttcaattc ccgaagagcc cctcttggtc ccgaaccggg atcgcttctg catgttccca 180
atccaatacc cgcaaactct ggaaatgtac aagaaagccg aagcctcggt ctggacggcg 240
gaggaggtgg acctctccca agacctccgc cactgtgact ccctcaccga cggcgagcgc 300
cactttgtca cccacg 316

<210> 8055
<211> 384
<212> DNA
<213> Glycine max

<400> 8055

agcttgtgca ttcaatatct tgatgagtat gttccatag ttctcaagat tggactaata 60
catttgttgc ccacgtttca tgctcttgca ggtgaagatc cttataagca tcttaaggag 120
ttccatattg tctgttccac catgaaaccc gctgatgtcc tggaagatca tatctttcta 180
aaagtttttc ctcttctctg ggagggagtt gccaaagatt ggttgacta ccatgctccc 240

agggtccatca ccagctagga tgaccataag aggggtgttct tggagaaata cctcccagca 300
tctaagacca ctaccatcag aaaagacatt tcaggcatca ggcaacttat tggagagagc 360
ttgtatgagt actgtgaaag attc 384

<210> 8056
<211> 395
<212> DNA
<213> Glycine max

<400> 8056

agcttctacc aagtaccttc aacaagtttg attttattat gacataacta acagcatgca 60
agatcttgta tgtataaaac ctcgattatg atgtgatttt caactttgtt ctttcatgag 120
agaaaataac atggcaaact tgttacttct gtgaagtggg atgaaacatt ctattcttgt 180
ctcatagaag caaagtggag caaaacggga caaacacat cattagataa ctacctcaa 240
tatggcatga tctccattgc tgttcataca ttgggtgcttc cagcctcatg gtttcttaaa 300
catagcttat caaatcagaa actgagacca gcccaataga aagccattac caatctacgt 360
atgggtattt gtagtaacat attaatgaac ttgac 395

<210> 8057
<211> 388
<212> DNA
<213> Glycine max

<400> 8057

tcttagtttc agatgatgct tatggagcca tcttctctat ttaatttttg gcttcagcag 60
gagtcatgtc tccaagggct ccaccactag cagcatctat catacttctc tccatattac 120
tgagtccttc ataaaaatat tggagaagaa gttgttctga aatctgatgg tgggggcaac 180
tggcacatag tttcttaaat ctctcccgag actcatacag gctctctcca ctgagttgtc 240
taatacctga gatatccttc ctgatggctg tggtcctgga agcagggaaa aatttctcta 300
agaatactct cttaaggtca tcccagctcg tgatggacct tggagcaagg taatacaacc 360
agtcctttgc cactccctct aatgaatg 388

<210> 8058
<211> 340

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8058

gattcttaag tcacctgctg catcaagtct tgatggactt tcttattatg tctccattga 60
ctacttcacc aaatgggtca aagcggcttc gtagccagt gtgactagga gtgtgggtgt 120
taggttcac aacaaagaga taatttgtct gtagaggttg cccangaaga ttatcaccga 180
taatgcaacc aatctgaaca ataagatgat gaaggaaatg tgtgaggatt tcaagatcca 240
acaccataat tctacgcctt acaagcccaa gatgaatggg gcagttgaga ctgctaataa 300
gaatatcaag aagatagttc acaagatgat cgtgtcatat 340

<210> 8059
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8059

cacaaacagc tcaggagacc tctggagatt ttgaagaggc aagtgagaaa gatgctacaa 60
agactgcagt aacagatgga actgtccatc ctctaacaag ctatgtaatt aactatgtga 120
agtttttatt tggtaagttc agctatgttg tcatctgac ccaattttgt agccgcatca 180
attatttcta gcattttttg ctgtgttcac tgatgacaaa aatgttagac attattgcta 240
ttgttatatt gttttttaa atttatttta cagttctgct ggtttctgct catggacttt 300
ttaatgcatt tcttattaaa tatgcagaga gattggcatg ctatgccaca tanatcaatc 360
tctagtttct acgtgttc 378

<210> 8060
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8060

gattcctaag tcacctgctg cagcaagctt gtaattttgt tatcaagcat cctctaaagg 60
aggaggggag agagttactt gtcgagccaa aacaaggtag atttcattct tttagctntg 120

aatatatc cccaaactat gaagataaaa taaatgaaat aaagattata catgagaatt 180
 atgctcacgt gctttaccct gtcaaatang tttatacaaa cttagaaggc aaccgtgcaa 240
 acttagttca gacttcatgg gctttgttgt cccttattga tgcaggacag gttaataata 300
 aagctctatg ttttgaattt ttaccatc ataaatttaa acctcctaac tccttaagcc 360
 ctatggaaaa accctgcana gtgcaatggc cctctaatta gta 403

<210> 8061
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8061

gcaagcttgc caatccactg gggctgatgc tttctgaata tccttttgca ccatgcatct 60
 aggagacaca ttnttcctac cataccctct caccagctcc tgagcaagta atatgttctc 120
 ctggatattc ctaccaggaa taaaagctga ttgagtgtct tccaccacac tatttatcac 180
 atcactcagt ctgctagtca aaatcttga taccacctta taaattgtgc tacaacatga 240
 tattggctctc atgtctttga tgggttttgc ctccggggac ttagggataa gtgagacaat 300
 agagcagttg acaactttgt acaacttact agaattaaaa aattccagga tagtattctg 360
 cacatcattt ttacaatagg ccaggcggct ntgaaaaatg 400

<210> 8062
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 8062

acatttctga caacaagggtg atcttgacgg aaggatttga tgggtgttgtt cctccgaagt 60
 attttgaaag gatagaatca tggccgagca gacagcccat ttctttttta agttatttta 120
 caattttgct tttaggatca caatacgttg aggattattt aaataaaata atatgaaaaa 180
 gatataatat attttaaata ataaaacatt tcaaaaatat ataacatatt aaataaaaac 240
 ataaaaaata tacaacatat taaataaaat tgataataag taaaattaaa attatttatt 300
 taataattaa tttaaataat attttttagca atttaaaaaa aattgaaaac aaaacaaaac 360
 aaaataaaaa atgtctaaaa aattcttaat attataaaat aatatataat atcataaaat 420

aaaataaaaa

430

<210> 8063
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8063

caagttttca atatcaaatn gaaatggata gctgatcgtg aaaaagatgg ttgtgtatac 60
aatatcccaa atgttcctga agttgttgca cttattgttg gtgattttga cccaagctca 120
aaaagagata ttattgttga aactcaaaat ggacaactac aaagaatcca tgaattacac 180
tctagctatc tggctctata gtaccctcta ctctttcctt atggtaaaga tggatataga 240
actaacatac ttcaccactc taaatcatca tgcaaaaaaa ggaagagaaa tctgtctgaca 300
acgagacagt ggttcgctta tatgcttcag tccaggccaa atgaagcaca aactttattg 360
ctttctatga aactatttca acaac 385

<210> 8064
<211> 348
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8064

gcaggcatgc aagctntgag caaattcaaa cgacaatatt tttgtacatg tatgagcgga 60
ngagaccctg attatattga gacgctcgaa attgaatgtt gaagctttga gcaaatacat 120
acgacaataa ccttttactc ggatgtctga ttgagttccg taatatatcg agacgctcaa 180
aattgaatgt tgaacctctg atccaatata aaggacaata agcttttact cggatgtctg 240
attgagtcct gtaatatatc gagacgctcg aaattgaatg ttgaacctat gagccaattc 300
aaacgacaat aactttttac tctgaagaat gattgagtcc ctaatttt 348

<210> 8065
<211> 364
<212> DNA
<213> Glycine max

<400> 8065

actagtgagc ttccaattat atgacatgta ccacttgtaa ttttcctatc taatttgcac 60
 cttccaaaat cagagtctga aaaacctttt aagtttaagg aagttccttt ggaataccac 120
 aaacctacat tggttgtgcc ctttaagatac ttaatgatcc tcttaacagt agttaagtga 180
 gattcctttg gattggactg atatattgca cataatcaaa cacttagcat gatatccggt 240
 ctacttgcag ttaggtagag aagtgatcca atcacaccta tgtatcttga ttcacccact 300
 gatttacctt tctcatctaa gtcaaggtag gttaatgttg taacgccttt aaattcaata 360
 actg 364

<210> 8066
 <211> 428
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8066

atgcagctta agataaagcc ctactaagt ggttttncgt tttcgactcg cgaccatcat 60
 cgtgaacagg aagaacgggt gcctggtcgt ctgctagttt gagtcactca tgcacaaatt 120
 cattttgatt ttaattcttt ttttcttttt cggcctcccc aatatttttg gtggagtagt 180
 ccaaaaaaat gtcaattttt ttctttatct tttttgtgat aaaaaattaa tgttgaaaga 240
 gagagagaaa aaagaaagca ctctgcccac gtggatgtga agtgtgggct ttctagtcag 300
 ccttattatt tgtataattg atcttccata tatcagtcac taattcccct accttcaaaa 360
 tctgctaagt atcacattaa tgaaaacggt tatntatact gttacttatt tatttctcct 420
 atcatatg 428

<210> 8067
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8067

tggcagtcac tagcatgata gttcgcagat actattaact ggtctatagt ttcttgatcg 60
 ggttgacgac atcaatattg tatttggaag gacccaaaag aaagaaaaaa agtaaaactt 120
 tcatatgtaa gaagagggtcg atattgtttg atcttacata ctgggtctaact ctagatgtca 180

gacattgtat tgatgttatg catgtcgtga aaaatgtatg tgatagcatc atcgacacgc 240
 ttcttaacat tcaaggaaag acaaaggatg gtttgaatac tgcgcaagat ctagttgaga 300
 tgggtatatg agagcagtta catccaaggt ctgatggtaa gaaaatataa tngcctctag 360
 cttgtcatac tttgtccaga aatgaaatgg taagtttatg ttagtgtctg caccgtctca 420
 tagtgccaca gggatactat tcaaatat 448

<210> 8068
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8068

cctgcgccat gcaagcttta ggtcactgaa gctctaatta taggccattt ttaggaatt 60
 ctttggaatg cagttataca aactctccct atgatacgag aaatcattag gtagttcagg 120
 actaccactt gttcatgttc ctcaccaata tctatgtgac acatttaagt ttttcaatgt 180
 atgagacaaa gttaataaca ctcaactagg tgtcctataa aaattaatag gaatcatata 240
 gtcttgacc attagtaatt tctcatacga tacacaccac ccacctagta ctgtgcttgg 300
 aattcaaaat ggaaaactga ttatctaaaa taatgcatat ggcataatat cataagaagc 360
 ttgatgatgc cttacgacca ttttgccatt catgtcacca tagaaaatta tgcaattata 420
 tnattagttg ccttaaatga 440

<210> 8069
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8069

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 tcaagactgg actaatacan ttgctgcca agtttcatgg tcttgcaagt gaagatcctc 120
 ataagcatct taaggagtgc catattgtct gttccaccat gaagccccct gatgtccaag 180
 aagatcatgt ctttctaaag gcttttcttc attctctaga gggagtggca aaagattggc 240
 tatactacct tgctcctagg tccattttta gctgggatga ccttaagaag gtgttcttgg 300

agaaattctt ccctgcaact aggaccactg ccatcagaaa agacatttca ggcacaggc 360
aacttagtgg agaaagcttg tatgagtact gtgaaagatt caagaaa 407

<210> 8070
<211> 330
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8070

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tgcaacttaa gagcctggaa ggaaagacgt atgcctatgt atgttgggat gatttctcca 120
cactgacatg gggcaacttt atcagagaga aatttgacac ctttgaagat cctaagagtc 180
gagtctaaga cttctacgac agaaagactg cgctatccag agaatcanga gtgaccatgg 240
cagagagtgt gaaaacagca cgttttccgc attctgcccg tttgaaggca cctctcatga 300
gttctctgca gccattacac cacaacaaaa 330

<210> 8071
<211> 396
<212> DNA
<213> Glycine max
<400> 8071

atgcattggt taacttggtg acctatctgg cctcttatca gaaatctgta cctgtcgcaa 60
gggtttgtgg tttgtgctcc tctactgacc accatacaga cctttgccct tccatgcagc 120
aacctggagc aattgagcag cctgaagctt atgctgcaaa tatttacaat agacctcctc 180
aacctcagca gcaaaatcaa ccacagcaga acaattatga cctctccagc aacagatata 240
accctggatg gaggaatcac cctaacctca gatgggtccag ccctcagcaa caacagcagc 300
ctgctccttc cttccaaaat gctgctggcc caagcagacc atacattcct ccaccaatcc 360
aacaacaaca acaaccccag aaacagccaa cagttg 396

<210> 8072
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 8072

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 ttnatnagcg accgaatgca tttctttata aatgtatttt aataatagtt taattactaa 120
 tttagtcctt atagtttcat catttgtaga tttttgtcct tataatttta aagtgttttt 180
 tttagtcctt atagtttaca ttttaattcc ctttttagtcc atctagttaa aaactgggtt 240
 ttttagtatt tataatttga gttttaattc ctttttagtc cctacagttt gaaagtgggt 300
 tcttttattt cttatacttt atacgttaat ttctttatag tccttaccat caaaagatca 360
 gtaataatat caattacaat taactacaga tatataagca aataattcgt aactaattgt 420
 tcccaaataa ttt 433

<210> 8073
 <211> 322
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8073

agtcacctgc ggcacgcaag ctggttnttt tataatagga ctgcttgatg ccctttccac 60
 tgtatccact taaatttcca tatgctagaa aatcattaat agtacaaaac accattgtgc 120
 gtaacctgaa tgtctactgc acatttgcac cccacacatc tacccttct tcccacaatt 180
 gtttcaagtc ttcgattaat ggcgtaagat acacatcaat atcattccct ggctgccttg 240
 gacccgcgat catcatcac aggataatgt atttacgcaa aatgcacaac catgggggaa 300
 gggtgtaaat catcagtaaa ac 322

<210> 8074
 <211> 300
 <212> DNA
 <213> Glycine max

<400> 8074

agctttgtaa tgatgtatcc gaggtgttca cgaagcagag atcgggggtcg acgcccacgg 60
 tgatgaagaa tgttccgagg acagatgagg cgagtttggc gacgccgttt ggaggctggg 120
 ggcgaggaag tattggaatt acatggagcc ggcttctggg ggcgcgtggc atgcgcatat 180

tcacaatagg cgcacggtga aaactatggt gatgaatgtg gagagggatt cgggtgtgtg 240
cgagatcatg atccatgcga tgggccttgg attcagtttc tggagctggg aacgggggca 300

<210> 8075
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8075

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gctgatgtcc caaacatgat tatttttcag acaattttct ttctttctct caaaaacaaa 120
tttcagctgt cccaaacacc ccaagggtg cagtaataac ataccactat cctgaagaat 180
atatctcttg gatatatctt tcatggatc ataagcagt agatcaatgg cagcataagg 240
aatcatgcca agcagagatg gaacaagccc tctgtagaaa gctcgaggtc cctcttgaac 300
ccatatattc attgtaagt ttcccagctt atgaaccttt ccaccttcag agggacaagt 360
ctgtaaccta agtttaatga gatccattgg atagatagca gcctgtgcaa ttgcaccagc 420
cgtaccaact gcaacaagcc ta 442

<210> 8076
<211> 316
<212> DNA
<213> Glycine max

<400> 8076

gagcgttctc gtatattatc ggcctgaatc agacatccga atcaaaagtt atggctgttt 60
gaatatgcca tgtgcttcga tgtttaattc tgagcatctc gatatattat gcacctgaat 120
cgggcatctg agtgaaaagt tatgcatat gagttagccg agagcttcgt tgttcgattt 180
ctagcgtctc gacatattat tggcctgaat cggacatccg agtcaaaagt tatggcgggt 240
taaactttgc atgtgcttcc gtgtttaatt atgagcatct cgatatatta tgcacctgaa 300
tcggacatct gagtga 316

<210> 8077
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8077

gactcatggt ctctatgaat gacttattcc tttggataaa ggnagtgttg ccatattttc 60
tttattccat actaaggcat acaactcctt atcatangtt gaatagttaa gggtaggacc 120
actataaatt tcaactaaaat aagcaattgg atgaccttct tgcatacaaca cagccccaat 180
cccaacattt gaagcatcac actcaatttc acaagatttt tgaaagtttg gcaacgcaag 240
tatgggggca ttagttagct tttgcttaag aacattgaaa gcttcttctt gtttctctcc 300
ccatttgaaa ccaacatatt tcttgagcac ttcattgaga ggtgctgcca atgtgctaaa 360
atccttcaca aatcatctat aaaaacttgc taagccatga aaactcctca cct 413

<210> 8078
<211> 313
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8078

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gtaatgaatg cagaaagttg tattgtgcct gagtgggtag catagacaag atgaccattt 120
ggtagtttaa ctgtgatggg attaatttga tgatatgagt gaaaatttgt tagagaggag 180
gaaacatgat cagtggctcc tgaatctaag atccaggagg tagaattggc tttttcgcaa 240
gatagaatta tacctgttgc atcgttattg gaacaagatg aaataaaggc gacctatggc 300
ttgatgggtg ctg 313

<210> 8079
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8079

agctagtgtt tttctcaaataa ataagacatg catgatgccc tttcccactg tatccactta 60
aatttccata tgctagaaaa tcattaatag taaaaaacac cattgtgcgt aacctgaatg 120
tctactgcac atttgcatcc cacacatcta ccccttcttc ccacaattgt ttcaagtctt 180

cgattaatgg cgtaagatac acatcaatat cattccctgg ctgccttgga cccgcgatca 240
 tcatacacag gataatgtat ttacgcaaaa tgcacaacca tgggggaagg ttgtaaatca 300
 tcagtaaaac aggccaggaa ctgtggttgc tgcttaagct accataagga ttcatccat 360
 cagaagcaag agcaagcctt aggttccttg gctcatccnc aaactcttga taaaa 416

<210> 8080
 <211> 364
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8080

aagctccttc aactgcacaa ggctcttaat atttgatatg tacccttggg aaccttcacc 60
 cgacgaagac actgacaaaa acttatcttc tccttcttgg acaaagtatg gcaggctggg 120
 ggcaagtaaa ttttcttccc atcagacctt gaatgcaact gtgatcgtat acccatatca 180
 gctagatctt gacgggtatt caagtcaccc ttctgtctgc cttgaatgtt aaggagcgtc 240
 ccaatcacac tgcacaaac atttttctcc acatgcataa catcaatata atgtctaaca 300
 tcaagatcac accagtacgg aagatcaaga anatgacctc ttcttcatat caactctgac 360
 tttta 364

<210> 8081
 <211> 288
 <212> DNA
 <213> Glycine max

<400> 8081

agctttccga actagacttt tcttcattat tcgaaccttc aagcaccaca gagtaaaaaa 60
 aattaagcaa gatgaaactg gtcaggaatt ttacaagtg atcctaaatg agagattcag 120
 atgtaaagtg taagaatatg cgtgctgccc tatctactta ctatgcggct ctcttgaaga 180
 atttcacgtg acacattgag tggaagtcac ttgagtaaca acacctttga caagcttagt 240
 atcggggaac tggttagcag taaaacatag tgaggataaa tatcagac 288

<210> 8082
 <211> 357
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 8082

agcaaggata atgtntnttt ttgttttttc ctcggctntt ttgccccttc aatacaacat 60
aaaaaaaaaa ctacagtacg aaatttagca tgaaaaaatc tatattgctt ttgtcaatat 120
tttcatgctt aaaatttggg aacttaattt taattaaataa ttttaattaca tccatcaatt 180
attaaaatat tcaataagat cttcaaataa tttaaaaaat actataatca tatcatttgt 240
taactctatt agaatgataa aaattatata aataaacgtt tttatatcaa ttgcataagt 300
aatgtaaaaa tattttattca catcaataac atattttaag aagtaactaa tttttta 357

<210> 8083
<211> 350
<212> DNA
<213> Glycine max

<400> 8083

tgaatcattt atcctatata cgacagttaa tttgtgagtc ccgtccaggt agtcccgaag 60
aaaaccggcc tcatcatgat aaaaaatgag aaggaggagc tgattcctat tcgggtgcag 120
aacagttaga gagtctgcat tgactatagg aggttgaacc aggtcaccaa aaaggaccat 180
tttcccctgc cattcattga ccagatgctt gaatgcctgg caggtaaatac tcactactgt 240
ttccttgatg gtttttctgg ttatatgcaa atcactatta ctctgagga tcaggaaaac 300
accacattca ccagccccctt cggaactttt gcctatagaa ggatgccttt 350

<210> 8084
<211> 362
<212> DNA
<213> Glycine max

<400> 8084

tgtaaaaaaa ggaagcaagt taaaaactct ttttatagtt ttaaacatta tttctagttc 60
aaaacccttc gaactacttc acattgattt atttggtccc tctagaacta tgagtgtagg 120
tggaattac tatggcttgg taatagtgga tgattactca aggtttactt ggaccttgta 180
cttgaaaacc aaaaatgaag cttttgatgc tttttgcaaa cttgccaagg tgattcaaaa 240
tgaaaaaggt ctgaacattg tttcaattag aagtaatcat atagggtgaat ctcaaaaataa 300

gtatcttgaa atcatttgtg aagaaaatgg aattcaccac aatttttcaa cccaagaata 360
cc 362

<210> 8085
<211> 327
<212> DNA
<213> Glycine max

<400> 8085

tgcttgga aa ctatgtcttc tgtgttatac tctatctcat ttgaagcagc gccc caatat 60
ctatcctatg gattttcatg gataaagtgc ttgttctttt ggggcaagaa catgctattt 120
cactagtaac tggaaactac tgcatttggc tcattcctgc actctttggt tatgtggtac 180
ttcaagcttt ggttcgttat tttcagactc agagcttgat ctttccaatg cttgtaacct 240
cagctgctgt cttaatttcg catataccta tttgttgggt actaatgctt gaactgggac 300
ttggacaaaa tgcacgggcc ttattca 327

<210> 8086
<211> 362
<212> DNA
<213> Glycine max

<400> 8086

tgaaggcaaa ctggatgctg tgggtcaactt gttaaccag ctggccttga atcagaaatc 60
tgtacctgtc gcaagggttt gtggtttgtg ctctctgct gaccaccata cagacctttg 120
cccttccatg cagcaacctg gagcaattga gcaacctgaa gcttatgctg caaatattta 180
caatagacct cctcaacctc agcagcaaaa tcaaccacag cagagcaatt atgacctttc 240
cagcaacaga tacaacctg gatgaaggaa tcaccctaac ctcatggtt ccagccctca 300
gcaacaacaa cagcagcctg ctcttctctt ccaaatgct gctggcccaa gcagaccata 360
ca 362

<210> 8087
<211> 333
<212> DNA
<213> Glycine max

<400> 8087

agcttgaatc ggacattcgt gtgttttagct atgaccatta gaatttctca agagcttccg 60
tagtataatt tctagcctct cgacatatta tgcgcccga tgggacattc gtgtgaaaag 120
tcatgatcat ttgaatttgt cgagagttta cgatgtttta tttcgagcgt gtcgatatat 180
tataaccctg aatcgtacct cagtagtgac agctatgacc atttgaattt gacgagagct 240
tccgttggtc aatttctaact actcactata tgtgatgcgc ctaaattgga catttgtgtg 300
aaaacgtatg accatttgaa tttctcatga gct 333

<210> 8088
<211> 360
<212> DNA
<213> Glycine max

<400> 8088

taatacacca attattaatt tttttttaat agattgtatg tattttatat gaaagataat 60
cttattttaa ctggataaat aagataatta taagtataa aactctgtct ccaaataatt 120
aacgtaatta tatatgtaag actaattaat ctaaaataac tttgcatgat taacatactc 180
agtgtctata cactaatagt ttggtaataa ctaattcatt gataaatatt ataaaatcat 240
caatatttga gagtattaga ataaatttta ctctgtatta gaataaaatt aattagatgc 300
aaacctatta acgaaatgct ttaacttcac caaatatgtg attatgaaag caaagggtag 360

<210> 8089
<211> 362
<212> DNA
<213> Glycine max

<400> 8089

agcttaaggg aagagaggat tgcttacttg atttatactg gttcggccac ttcccgtgcc 60
tacgtccagt cctcaagcag cccacttgag attttccact ctctttgtaa aactcctttt 120
acaaagtctg aaccacacaa ggacaaccct tcccttgtgt tcaagaatcc tctacaacaa 180
gagaccacg gtctcttaat cccttttcaa aaataagaag aagagaagaa gaaatctctc 240
ttaaaagaga taaattgtac aatgaagatc aatcaaaatt cttattgaa tatgcaaggg 300
tttgaccaag acatttcagt tcagaaaaac tcttaatctt tcgagaggat aaaacttttt 360
gg 362

<210> 8090
 <211> 351
 <212> DNA
 <213> Glycine max

<400> 8090

agcttcaaga gtcattctatg ttgttgcct ctgcagccac accatcttca aattctgtag 60
 ctttgtcgtc taactctagg gttgttttta attctgggtga tgcaaataaa ttttcaaagg 120
 tttctttgac ccctagttct cacactctgt ggcatactag gctgggtcat cctaattgctc 180
 atgttcttaa actttctctt aatcattgta atattgctcc atccaataaa aatgtctctg 240
 agctttgctc ttcttgttgt gtaggaaagt cacaccaact cccttcatct agttctcaaa 300
 ctatatactc tactccattg gaattaatta ttactgattt gtggggaccc t 351

<210> 8091
 <211> 341
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8091

agcttggnc t atntaattta atatactntn aaaaaagctg gagtctatgc ttttaattaa 60
 ataagccagt tcaagccaga cntatgtat gtcaggccgt atgcccctgt aggetgggtct 120
 ggcctattct catccctact tgttatcatt accattgttg tcacatctat cattactaac 180
 acctttatca tgcgcataac attgttatca tcacttggtta aagttgttat cactattatc 240
 attatactca ttattgttat tgtcgttact ataaccctca ctaacaccct gtgtgtaata 300
 gntgtgatga ccataattat aataatgata ataatgaaaa a 341

<210> 8092
 <211> 344
 <212> DNA
 <213> Glycine max

<400> 8092

agcttgaagg aaaactggat gctttgggtta acttggtaac ccaactggcc ttgaatcaga 60
 aatctatacc tgttgcaagg tttgtgggtt gtgctcctct gctgaccacc atacagacct 120
 ttgcccttcc atgcagcaac ctggagcgat tgagcagcct gaagcttatg ctgcaaatat 180

ttacaataga cctcctcaac ctcagcagca aaatcaacca cagcagaaaa attatgacct 240
 ctccagcaac agatacaacc ctggatggag gaatcacctt aacctcagat ggtccagccc 300
 tcagcaacaa caacagcagc ctgctccttc cttccaaaat gctg 344

<210> 8093
 <211> 361
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8093

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 tcccaagtta tcctttccat tgtttaatac aaagcatttg caaccaaaaa catgtagatg 120
 tgagatattt gggttctctac cattaaacaa tttgtatgga gttttcttta agataggtct 180
 tattaagcc ctattcatga tataacatgc agtattaacg gtttcagccc aaaaatattt 240
 tggaagagga gtatcattca atacgggttct agcaatttct tccaaaaacc tatttttctt 300
 ttcaacaact ccattttggt gaggggttct aggtgcagaa naattatggt caataccatg 360
 c 361

<210> 8094
 <211> 351
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8094

ttggagtctc caagtgccaa ttcgtcttct tcttagtcc agncttcttc tggcttcaat 60
 tcatcagtgg gctttccttc tgtgtccagc atcttgggat gttcccagcc tttgatgaca 120
 gctttccagg ttctgctatc cagtgatttg aggaaggcca ccatccttgc tttccagtat 180
 tcatagtggg tccatccag aattgggtgt ctgttactg gtcctccttc tttctccatg 240
 ttcacagaa tttatctccc tagatctcac tcagtattt cgagtgcctg ctctgatacc 300
 aattgaaatt ctgatcctgg ggacagatgt cgtacaggat gtcacgacat c 351

<210> 8095
 <211> 353

<212> DNA
<213> Glycine max

<400> 8095

tcaaaaggct ttaataaaat tgaaattaaa gccttccgaa cccgggctct tagtacttcc 60
acactcctaa actgcctcct taacttcccc ttcttcaaat ttagccaaga gaaaaacatt 120
gtcttcaaga gagataaatt tgaaatggac accatctagc tttgggtctac aacccccctg 180
ttctttgaat ctagtttcaa aaaactactt cacttctctc ttacacaat gtggctcttc 240
cacccccccc cctccacccc tcaagcctct caacatattt ttcttcttcc tccaatgacc 300
acatgaatta aaatattttg aatttctatc accttccacg acccaccttg ctc 353

<210> 8096
<211> 298
<212> DNA
<213> Glycine max

<400> 8096

agcttaccac cgtaagaggc cattgataag agcttggagc aagaaggaga tgaatgtagg 60
gagaggatga gaatagcacg aaattttgta ctctaaaaga gttctgaaat ctgaagttaa 120
atcttcaaat tatcaaagt gaaaaaaatg cacacacaag gcctctattt atagcctaag 180
tgccacacaa aaatggagga acatttaaatt ttctattcaa atttcacttg aatttgaaat 240
tgaatttggtg gagccaaact ttggagccaa aatttcactt tttatgatta gtgaattt 298

<210> 8097
<211> 352
<212> DNA
<213> Glycine max

<400> 8097

agcttgtaac tcttggcaat ttttttaaaa ctagccactt aaaaagttat gacttttgaa 60
agaatcttca gaaacaagtc acttgaagaa ttgtgacttt tggaaatgta tttttcaaaa 120
tcagtcactg gtaatcgatt accattaagg tgtaatcgat tacacatcaa cagatgtgac 180
ttcattttga attttgaaaa tcttaacatt ttaaaacact ggtaatcgat tacatgatta 240
tggttaactga ttacagcttt gtaaactcagt ttgaaaaaaa tgctggctac tggtaatcga 300
ttactacctt ctggtaatcc attacccgag agttaaacac tttggtaaaa aa 352

<210> 8098
 <211> 333
 <212> DNA
 <213> Glycine max

 <400> 8098

 agcttttttcg gagccccgtg aattatgttt tcgttcatgt gtccatcatc ttcgagtttg 60
 ttgccatgcg tagtgattgc ttaaggcaat tctccattct caaccctttt tcggaacccc 120
 atgaattgcg tactcgttca tgtgcctttc aacttcgagt atggagcctt gcgcagagat 180
 ttgcttatgc aattctccat tctcaaccct ttttttggat caccaagaat ggtcgttttt 240
 gttcatgtgt gtcctatctt ctattttgga gacatgcgtc gtgattgctt agtgcataac 300
 ctcatcttta atctcttttt gggagcccca aga 333

<210> 8099
 <211> 348
 <212> DNA
 <213> Glycine max

 <400> 8099

 tgctagccca aggaagcgga ggccatttcc tttactttta caagagggcc attcttggat 60
 ggccttgatc tcagggtcca cttggacacc atttctacca actacaaatc ctaagaaaac 120
 tatattatct acacaaaagg tacacttctc tatattgaca tatagagtgt ttttcctaag 180
 aactgaaaga acttgcttta aatgtcctaa gtgatcatct aggctccaac tgttcactaa 240
 aatatcatca aaataaacia ctacaaatct atctatgaaa tcccttaaca tatgatgcat 300
 aagcctcata aacgtgcttg gtgcattatc gatcccaaag gcatcact 348

<210> 8100
 <211> 347
 <212> DNA
 <213> Glycine max

 <400> 8100

 ttcttagtat cctccacaag gtgttggctc tgacttgtcg agctccaaag ctgccaagtt 60
 ttgtcttgaa acaccttaat gttcctagat ttccagataa gccaagatgt aattgcaaag 120
 aacatgatgc aatcctaccc tccaaggga ttggatagaa gactccaaga agattggacc 180

agagatgcag aaaaaggccc taggattctc ataagcctta tggtagattt tgggcttatg 240
 ggcatagtat gagcccactt atcattgcac atattagatt aaggtttcat tttttttggg 300
 ccttgatatt agggctccat actgtaagga ggttacccta ataatgt 347

<210> 8101
 <211> 341
 <212> DNA
 <213> Glycine max

<400> 8101

agcttggagg aagaatgaga ttattgaggg agaggaagag aagagcctga aattttgtgc 60
 tctaaaagag ctctaaaatc tgaagtttaa ttttcaaag atcaaagttg aaaaaatgca 120
 cacacatgac ctctatttat agccttagtg tcacacaaaa ttggagggaa atttgaattt 180
 cacttgaaat tgaaattgaa tttgtggacc caaactttgg agccaaaatt tcactaataa 240
 tgattagtga attttagtta tgggtcaggc cactaatcca agatcaattc caagattctc 300
 cactaaatgt gcttaagtgt catgaggcat tgtaagcatg a 341

<210> 8102
 <211> 361
 <212> DNA
 <213> Glycine max

<400> 8102

ttagcctaag gctgtacacc atgttgctca tgttgctctc cctatattta acaatttcca 60
 cctcaagacc cctagtttta ttaaactcttg atatatttgg tctaaccaa accctcttat 120
 ttagtggttc acgggtaaaa ggtatggtct atttgggtg gacgactact ctagatgaac 180
 atggattatt tttcttacc acaaaaatga gtattttaga gtcgtcttta aattttacaa 240
 aagaattcaa agtgaaaaag gagtatacat tacttcaatt acaaatgatc atggtggaca 300
 attctaaaat gaaatttttt ttcattattt gaactaaaat ggtattcttt gcattttctc 360
 a 361

<210> 8103
 <211> 348
 <212> DNA
 <213> Glycine max

<400> 8103

agcttgcaca caagttgggtt gttgttggtta ttggtttgat tacatgaaaa cctctcattt 60
gtgttttagct tgtattattg gtttagatga aatcccttcg ctacaagtca aacaattata 120
cttggtgata gtgccattag ggtttttctt caccctaaac acctatttac aaccaattgg 180
atccctatat ggaggcagtt cagtaagagt ccatgtacca ttttttatca aagcatcatg 240
ctcaatcctc cttgttgcaa accaagtagg attggaaaga gcaatttatg ttaacttgtg 300
ctcacaatta gctagaagaa gagtacgatg aagtcttggg ttgacaac 348

<210> 8104

<211> 358

<212> DNA

<213> Glycine max

<400> 8104

ttccttgaat attcttctgt ggtataacaa attggaattc ctgcctgtcc tgataggcaa 60
gcgttaaatt gggcaactta aaatcctctc gataattggt tgcaagattg cggatggctg 120
tgaaagcaac accaaatgct ttgagaacac aaatatgata tgctgcattc caagaaagat 180
tacactgttg acagaaaagt aaacttcaag ctaacggatt ataaaacctt cactggtttc 240
acaaaatgct cttcgtgaaa tatccaagag gccatcaatt ccatacctta cagcaaagca 300
ttgtttgagt gcaagcaaca aaaagaacgc gtgcatgaaa tacatcttca tcaataac 358

<210> 8105

<211> 352

<212> DNA

<213> Glycine max

<400> 8105

ttagaattgt cctatttggt ttgtgttcct ttgaaatat ttgaaaaaa aaaataattt 60
ttttttcaaa atatttcaat tttttatagt tgaggcggtta ttgatttca aaatccgatt 120
attaatttcc taacctgaag tgttccttgg tgtattgata aaaagtaata atttttcttt 180
gaatcttaac aattgatatc cttttgaaac aatttttttt tcttcatttg aattgatagt 240
gaattctttc aattttcttat tcgatttatg tattcttttt tctaaactaa acaaggcaag 300
gactaactcc tgaactgcaa gtaaaaaaag ttatagaata gaatatagat tt 352

<210> 8106
 <211> 355
 <212> DNA
 <213> Glycine max

 <400> 8106

 agcttgtacc aattggtcca ttgttgacaa gtcattgatga tacaattgca actacaaaat 60
 caattggaca atattgggaa gaagatctct cttgcatgag ttggctcgat caacaacctc 120
 gtgattctgt gttgtatgtt gcctttggta gtttcaactca ttttgatcaa aaccaattca 180
 acgaactagc tcttggattg gacctacca atagaccttt tctttgggtt gtgcgtcaag 240
 acaataagag ggtataccct aatgaattct tgggaagtaa aggtaagatt gttggttggg 300
 ctctcaaca aaagggtgta agccacctg ctgtaacatg tttgtcacc cattg 355

<210> 8107
 <211> 351
 <212> DNA
 <213> Glycine max

 <400> 8107

 tgccatgaat agtttcatgt gtactagtaa ataggctggc ataactctgt cataaaacac 60
 aaccataaac taaaataagc atatgtgatc agtgtcaaaa taaaatgcaa ccatttaca 120
 aaccaatcaa gaaaataaga atagattatt acagctaacc aatcaacaag cttttcaggt 180
 agccatgctt gagattgctt gtccacataa aatatttcaa ttaactcca cgcagctttc 240
 aaagatgtag gctcttcacc tctctatatt atgtgtaatg tgttaaaaag caagtgatta 300
 acttctcggg atcataattc ccacaaagca gatctcagct cagctaaaca c 351

<210> 8108
 <211> 349
 <212> DNA
 <213> Glycine max

 <400> 8108

 tgtaatcgat tacacatcta ctgtaatcga ttaccagagc agattttcag aaaatattct 60
 caacagtcac atctttttat gtggttcttg aatggctatc aaaggcctat atatatgtga 120
 cttgagacac gaatttgcta agagtttttc agaacaaaaa ggtcttatcc tcttataaag 180

caaaatcgtt ttatcctctt acaaattcct tggccaaatt acttgtgatt caataaagaa 240
 ttatttgagt gctcaaattg ttcaatctat ctctttcaag aaagatttct tcttttcttc 300
 ttcttcattc tgaaaagggg ttaagagacc gaggggtctct tgttgatgaa 349

<210> 8109
 <211> 351
 <212> DNA
 <213> Glycine max

<400> 8109

agcttctcag caaacttggt tctcactag cagttgctag tgctatcatc tcaaattcca 60
 tagtggactg agctaagata gtctatttct tttacttcca agaaatagcc ccaccagcta 120
 tgctaaatat atagctggtg gttgctttgg aatcatctga aagagtgttc caatctgcat 180
 cgctgtatcc ttcaagtaca acgggaaacc ttttataatg taatccaagg cttatgggtc 240
 ttttaaggta cctcattacc ctttcaatag cgtgctagtg ctccatacta ggtctactga 300
 taaacctgca taataatccc acaactaggc tatgttggat ctagtacaat c 351

<210> 8110
 <211> 359
 <212> DNA
 <213> Glycine max

<400> 8110

tgtcttgccc cttgatatat ttgatgttac tcttggtcac tatgaatgac aaattccttg 60
 ggataaaggt agtgttgcca tgttttcaaa gcctgtacta aggcatacaa ctccttatca 120
 taagttagat agttaagggt aggaccactt aacttttcac taaaataagc aattggatgg 180
 ctttcttgca tcaacacagc cccaatccca acatttgaag catcacactc aatttcaaaa 240
 gatttttgaa agtttggcaa cacaagtatg ggggcattag ttagcttttg cttagaaca 300
 ttgaaagctt cttcttggtt ctctcccat ttgaaaccaa catttttctt gagcacttc 359

<210> 8111
 <211> 304
 <212> DNA
 <213> Glycine max

<400> 8111

agcttcaaca ttcaatttct agcgtctcga tgtatcacgg gactcaatca gacatccgag 60
 taaaaagtta tcgtcggatg aatttgctca gagcttcaga attcaatttc gatcgtctcg 120
 atatattacg ggactcaatc agacatctga gtaaaaaagt tattgtcgtt tgaatttgct 180
 gagagcttca acattcaatt tcgagcgtct cgatgtatga cgggactcaa tcagacatcc 240
 gaataaaaag ctattgtcgt tcgaattagc tccgagcttc agaattcaat ggcgagcgtc 300
 tcaa 304

<210> 8112
 <211> 346
 <212> DNA
 <213> Glycine max

<400> 8112

tttcaactcg atgtccgatt caggcgcata atatatcgag acgttcgaaa ttgaacaatg 60
 gaagctcttg agcaattcaa atgatcataa cttttcacta ggatgtccga ttcaggcgca 120
 taagatatcg agatgttcga aattgaacaa cggaatcttt tgagcaattc atatggtcaa 180
 agcttttcac tcggatgtcc gattcaggcg cataatatat cgagaagttc gaaattgaac 240
 aatggaagct cttgagcaat tcaaattgat ataactttta actcggatgt ccgattcagg 300
 cgcataatat atcgagacat tcgaaattga acaatggaag ctcttg 346

<210> 8113
 <211> 318
 <212> DNA
 <213> Glycine max

<400> 8113

agcttccatt gttcaatttc gttcgtctcg atatcttatg cgctgaatc tgacctccgt 60
 gtgaaaagtt atgaccatct gaatttctcg agagcttccg ttgttcaatt ttgagcgtct 120
 tgatatatta tacgctgaa tcggacctcc gaggtaaaca ttatgaccat ttaaatttct 180
 cgagagcttc cgctgttcaa tttcgagcgt ctctatatgt gatgcgcta aatctgacct 240
 ccgtgtgaaa agttatgacc atttgaattt ctcgagagcc ttcgctgttc atttcgagcg 300
 gttcatata ttatgcgc 318

<210> 8114
 <211> 351
 <212> DNA
 <213> Glycine max

<400> 8114

tgtaccaatt aaccgtgcat atgccatgca ttatcgcatc tcataacaca atgatatttt 60
 taaacaaata tgagaggatt aatggagaaa aatagtacta actagttctt acattttgat 120
 attgctgttg ctgatcttgc atcgaatccg ataataaggg taagcatggg cacaaagatg 180
 ccacccccac caacacctcc cacagtccca tatgctgata ctatgaatcc aatcatgctg 240
 cccactatta ttttccaccc aaatttcata tcttacaacc aaaaacagaa gcattaatta 300
 caaggtaatt aatcccaatt caatgtcctt aattaatata caaacactaa t 351

<210> 8115
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 8115

ttggagtttc caagtgccaa ctcgttttct tctttattcc agtcttcttc tggcttcaat 60
 tcttcagtgg gctttccttc tgtgtccagc atcttgggat gttcccagcc tttgatgaca 120
 gctttccagg ttctgctatc cagtgatttg aggaaggcca ccattcttgc tttccaatat 180
 tcatagttgc ttccatcgag aattggtggt ctgttcaactg gtccgccttc tttctccatg 240
 ttcatcagaa tttatctccc tagatctcac tctgtgattt cgagtgttgg ctctgatacc 300
 aattgaaatt ctgataccag gggacagatg tcgtaccgga tgtcacgaca tcacgct 357

<210> 8116
 <211> 356
 <212> DNA
 <213> Glycine max

<400> 8116

agcttgtgga gaccgtccta gattttaaag cccccatt gagtatgctg cattctgctg 60
 atgaatttgc agtaataaca aacatcactt cattgtgcat taagatttac tttgaacttt 120
 ccttcttgac ctattatgtg tgcaactata tataatgatt tatgatctgt aatatttacg 180
 ttgatttggg gcataatcaa tatcgcaact tccaaggctt gacttgctg atgcaaatct 240

caacaaggac tgaagatttt attgttgaca ctttgaaact tcacagttct attgggcct 300
 atatgaggga agtcttcaag gacctttcca atagaaaagt tagtggcaca tgattg 356

<210> 8117
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 8117

tccatcaata actcatctag acgctctata tgtgaacaac ggaagctctc gagaaatttg 60
 aatggtcata aaatttcact caaatgtacg attcggggac ataatatatc gagacgctcg 120
 aaattgaaca acggaagcta tctagaaatt cgaatagtcc taacttttca cacagaagac 180
 agattcgggg acataatata tcgagacact cgaaattgaa caacggaacc tctcgagaaa 240
 ttcgaatggt catatctctt cacacagatg tccgattcag ggacataata tatcgagaag 300
 ttcgaaattg aacaacggaa gctctcgaca aattcgaatg gtcataacat ttcactc 357

<210> 8118
 <211> 295
 <212> DNA
 <213> Glycine max

<400> 8118

tgcttctaga gttgttttgt tctttaatcg gccatctggg tgaaaagtta tgaccagtcg 60
 aatttggtga gagcttctct tgtttaattg ggagcatctc gataaactat tttgccaat 120
 cggacatccg cgtgaaaatt tatgaccatt cgaatttttc tagaggcttc gttgtttaat 180
 ttcgagcatc tcgatttatt atgtactcga atagaacatc ttagtgaaat ggtatggcca 240
 ttctaatttc ttgatagttt tcggatcatca atttcgagcg tttagaagag ttatg 295

<210> 8119
 <211> 345
 <212> DNA
 <213> Glycine max

<400> 8119

tctgttctga atttcgagca tctccatata ctacgggaaa caatcggaca tccgagtaaa 60
 aaggttttgt tgtttgaatt ttctaagagg ttatgatttc aattttgagc gtctcgatat 120

attacgagac tcaatcaggc atccgagtaa aaagttattg tcgtagatt tttcttagag 180
 cttctatttc cgattatgag cgtctcgata tattacgaga ttcattcgga catccgagta 240
 aaaagttatt gtcgtttgat tttgctcaaa gcttctgtta tgaatttcga gtgtctcgat 300
 atactacggg acacaatcgg acatccgagt aaaaagttat tgaca 345

<210> 8120
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8120

gcaactatnc gncctggca caattgtcag aattattcta aacctgcang gttctttaag 60
 ctaaccaatt ccaaacaagg tcatattcca tcgacttttt tggttattca aggcattgat 120
 tgatgcattc gcattttgta aaccattgt gcaaatcgat ggaacatggc tttatggaca 180
 atacaaaggg aactgttaa ttgcagttgc acaagatggg gctaacaaca tatttccatt 240
 agcatttgcc attgtcgagg gtgagacagc agatggttga cactttttgt tgcaaaactt 300
 gaaaaccac gtcacaccat aacatggtat atgcttaatc tctggtagac atgagtcaat 360
 ccaaaatgca tacagacgac ttgacagtgg gtggacaaca aacaactcat taca 414

<210> 8121
 <211> 310
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8121

tctcactccc ttgacattta ttggaggagg aagnntctta ttacatcaa tctttgcctt 60
 ggccacctct attcccctta ctaaaatctt atgcccagc attattcctt cctgaaccat 120
 gaaatggcat ttctcccaat tgagaactag attggactct tcacatctct gtaatactct 180
 ntcaaggttt gatatgcacc cctcaaaaga tggcccaaaa atagagaaat catccatgaa 240
 aacttcaatg cattnttcca cctaatacaga aaaaattgca atcatacact gctgaaatgt 300
 aactggggca 310

<210> 8122
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 8122

tcttagtttt agctgatgaa gacgaagtgt ggctacttca tgcactcctc taatgactat 60
 agcatcattt atggcactaa actgttggga gttggaagcc atcttctcaa ttaaatttct 120
 ggcttcagca ggggtcatgt ctccaagggc tccaccactg gcagcatcta tcatacttct 180
 ctccatgtta ctgagtcctt cataaaaaata ttggagaaga agctgctcag aaatctgggtg 240
 gtgagggcaa ctggcacata gttttttaaa tctctcccat tattcatata ggctctctcc 300
 actgagttgc ataatgcctg aaatatacctt tctgatggtc gtggctctgg aagcagggaa 360
 atttttttct aagaatactc tcttgaggtc atcccagcta atgatg 406

<210> 8123
 <211> 307
 <212> DNA
 <213> Glycine max

<400> 8123

cctctaccac tagtcttaat ctttggcatg ctaggttatg acatcctaata gatcatgtaa 60
 tgaaaattgt tctcaaacag tgtaatatct ctcaactgaa taaaaacatc accgagtttt 120
 gttcttcttg ttggatgggt aaagctcata gggtaccctc tcacagctca acaggcttcc 180
 cactccctct ctcaagtttg ttgttccttt tggttccttg attaataaag agtctgatta 240
 tcattttctt aaaactgtta cgtgtgcctg ttttccttta ctaaagccat atcatacaca 300
 caagctc 307

<210> 8124
 <211> 353
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8124

tacgaactag cctctgggca aagcattaac tngaattagt ctaaaannnn ctattgtata 60
 aatgtgccat caaatgtaca aaatactatt actaatatta tgggtgcaga atgtctatgc 120

atggggaagt atcttgaat tccatcgta gttggtccaa gtaaaagggc ggtgtttggg 180
cacgtaaagg acaagggttg gaagcgatt caatcatggg agggccattg gctctctagt 240
gcaggaaatg aggttatgat caaggctgtc cttcaggcta ttccaacata ttatatatcc 300
atctatttgc ttcctgatag cctcgcagat gagatacata tattgctaaa ttg 353

<210> 8125
<211> 372
<212> DNA
<213> Glycine max

<400> 8125

cctaacgcct tgttcaaact ctctataac ctttatgtga atctaggatc tctatcagac 60
actatggttg acgacacatc atgtcatctg acaatctcac taatgtataa cgagggtcaac 120
ttctctaagg aaaacctaata attgatgggg ataaagtgtg cagatttatt gaatctgtca 180
acaataaccc aaatagaatc aaaaccttta cgggtcctaa gtagtcctac aacgaaatcc 240
atggagatat tgttccactt ctacacgggt atctctaacg gttgtaactt acctaaaggt 300
ctctgatgtt ctatcttagc cttctagtag actaaacacg catacataaa cttattaacc 360
tctgtcttca tg 372

<210> 8126
<211> 383
<212> DNA
<213> Glycine max

<400> 8126

agcttctgtc cctgagaaac tgggtccctt attacaattg ggagtgaaga ttgctgaaaa 60
ccctagcctt gcaacaagtc ctagggaagt agacacggag atggacaaga aaatccgcag 120
tatggtgagt agcattttga aagaagcctc tgtgcctgaa gctgatgaag atgttccaac 180
atcttccacc ccgaatgttt ctatgcctga tgttgagaaa gatgttccaa catcttccgg 240
cccaaagat gaagtactct cttccccag caaagagaga tcaacagagg aagatgatca 300
agccgcagag gagaccctg caccaagggc accaaaacct gctccaggtg acctcattga 360
cttagaagaa gtcgaatctg atg 383

<210> 8127

<211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8127

agctagaagg tgnntagctt accatctatt cttattatag aaccggtagt gtgtctacta 60
 tcattgtcgt cttttttttt tegtattga ggtgccactt gagctgccac gtctctccac 120
 ctttgggcgt attcttttga aagatttgtg cccctttttt gcacatgttc tgtagttgca 180
 tcctatccga agacattata ctgacactgc ctaatgaagg caatcactag gtccttccaa 240
 gaatcgactc gggaagggtc caagttagtg taccaggtaa caactacccc agttagactt 300
 tcttggaagg aatgtatcaa caattcctca tcttttgtga tgcccccatc ttccgacaat 360
 acatcttttag atggctcttg gggcaagtaa tccccctg 398

<210> 8128
 <211> 332
 <212> DNA
 <213> Glycine max

<400> 8128

acctgttaga caaatggcct cagttatctt aagatggggg gttgaattaa gatacaaaga 60
 ctattcctca attaaaattt cgctctctct ttttagatta acattgcacc cttaacatga 120
 attactcaaa agacaattca gaataaactt ctttaaagca aaagataaat ggcaataatt 180
 aaaagaagtt taagggaaga gagaaatgca aactgattta tactgggttc gccacttccc 240
 gtgcctacgt ccagtcctca agcaaccac ttgagatatt tcactctctt tgtaaaactc 300
 cttttacaaa gtttgaacca cacagggaca ac 332

<210> 8129
 <211> 355
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8129

agcttcaaca tcagaccact tccagggtgt tggaactttt ttcattggact ngatggggcc 60
 tatgcaagtt gaaagccttg gaggaagag gtatgcctat gttgttgtgg atgatttctc 120

cagatttacc tngtcaact ttatcagaga gaaatcagac acctttgaag tattcaaaga 180
 gttgagtctc atacttcaaa gagaaaaaga ctgtgtcatc aagagaatta ggagtgacca 240
 tggcagagag tttgaaaaca gcaagtttac tgaattctgc acatctgaag gcatcactca 300
 tgagttctct gcagccatca caccacaaca aaatggcata attgaaagga aaaac 355

<210> 8130
 <211> 331
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8130

ctcaagcatg gaaagaagac agnatatacc ttacaccgaa gattnctttt agctntttta 60
 tcttatcgac aatggaaaaa agcttttaat ggaagtcagg agaatgaagg cccccggaa 120
 gcattaactg gaaaccaagt tcatgatcgc gtaaaggaca ttgtaaccgt gtttggaag 180
 tcccagaaga agacatcatc tcccaaaaac atgtggaaga aacgctcaat attctttgat 240
 ctttcatact ggtctgatct atatgtgcgt cactgtctag atgttatgca tgtggagaaa 300
 aaagtgtgtg atagtttaat tgggtactctt c 331

<210> 8131
 <211> 275
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8131

agcttgataa gaattntggt tgtaatactt gtcattattc taaacataaa agacttccat 60
 ttcccaccag taactcacat gcacgaata gtttttaact ttacatata gatatatggg 120
 gaccttgttc aaaggtttca atgctaggac attgatactt tctaaccata gtagatgatt 180
 attcacgttt tacttgata tttctaagtc atgtcaaagc tgaaacacga gaacatatca 240
 aagcctttat agctcttggt gaaactcaat ttgac 275

<210> 8132
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 8132

tctccttcca tggcgtattc tctagtggat ggcgcctttt cttagctcta gtcctttatc 60
ttttgctgca actccatggg tgaaaatcac cattaaagga ccttattgaa gctcaaagat 120
ccaacctcca tagaagcttc tcaagcaagc ttccatcaag attctactat tcgcattgca 180
tggttatcga actttgggtg gtactttctac tggggcaacc ctattctctn tgggtgatga 240
gatggaagtt gtgctccctt ttaaggtaga gattccttct ttgagaattc tagcagaatc 300
agggttggga gaagcagaat gggccagaca tgttttgact agttgaatct tatcgaggga 360
aaaagaatgg ctgccatgag tcatgggtgg ctatatc 397

<210> 8133
<211> 359
<212> DNA
<213> Glycine max
<400> 8133

tctaaacttt gtacaagaat gaagctcttt ttccacttgt tatacaagag gcctcagata 60
tcgtcagaag ggggggttga attaatatat cccaaactgt tccccctaat taaaaatcta 120
tttcactttt tactcaagtt attaattccc ttaatgacaa tcttcttaaa tattaattca 180
aatgaagcaa cttgaatatg aatataaagc actaatcaat aaaggagatt aacggaagag 240
aaaatgcaaa ctcagtttta tactggttcg gccacacct tgtgcctacg ttcagtcccc 300
aagcaaccg cttgagagtt ccactatctt gtaaattcct ttacaagtt ctaaacaca 359

<210> 8134
<211> 392
<212> DNA
<213> Glycine max
<400> 8134

agcttcctta agattattcc taattaagct agagcttagc tacacatacc tctctaatag 60
ctaagctcac ctccttgaga tgagaagcta gagcttagct acacaccccc tataatagct 120
aagctcacc ccatgacaaa aaacatgaaa ataataaaaa aaaagtcctt attacaaaga 180
caactcaaaa tgccccgaaa tacaaggcta aaaccctata ctactagaat ggccaaaata 240
caaggcctag acgaaggaaa aacctattct aatatttaca aagataagcg ggctcact 300

tagcccatgg gctcgaaatc taccctaagg ctcatgagaa ccctagggcc tttccttgga 360
tctctagccc aatctacttg gagtcttcta gc 392

<210> 8135
<211> 253
<212> DNA
<213> Glycine max

<400> 8135

aacttctgcg gggacatctt gacttgcttt tcaatctgtc atttaccaca aaatctgcct 60
tcttttattt tcagattggg aatgcctatt acagcacctt tgtcaatgat tttcttcatg 120
cctcttacga gcagatgtcc aaatcggtga tgccatattc tgacttcatt ttctttggac 180
gacatacatg tggaggagta actgggttct ttaggtgtcc atacgtaaca ctggatcttt 240
gatctgctgc cct 253

<210> 8136
<211> 227
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8136

agctgtggag tttccaagcg ccaatacggt ttcattctta ttccagncaa cagatggctt 60
gaatccatca gcgggctttc cttctgagtc cagcatcttg ggatgtaccc agcctttgaa 120
gacaggtttc caagttctgc tatccagtga tttgaggagg gccaccatcc ttgctttgca 180
gtatgtctag taggttccat ccagaattgg aggctgttc actggtc 227

<210> 8137
<211> 421
<212> DNA
<213> Glycine max

<400> 8137

tataaaactc aagcttttgt gaaaggaaga agatgatgaa agatgagtat gataataatt 60
gtaaaggctt aaaggtttct caaaagttgt tcaagaagtt gttaaaaatg caagtcaagg 120
tcttgctttt atagactctt catgtctggt caagaaaacc attggaagag ttataacctt 180

gagaaaatca tgtcaagagt tacatctctt gaccttttat tcaaaacttg tcaactggtaa 240
 ttgattacca taatcatgta atcgattaca caatgcattt taagaaaaga tgtgactctt 300
 cacaattgaa tctgaatttc aacattcaga tacactggta atcgattacc aatatattgt 360
 aatcgattac accatttaaa aatcatttga atgttgcaaa ttcaattaaa agctttttga 420
 a 421

<210> 8138
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8138

cttggagttt ccaagtgcc aatcgtcttc ttctttagtt cagtcttctt ctggcttcaa 60
 ttcatcagtg ggctttcctt ctgtgtccag catcttgga tgttcccagc ctttgatgac 120
 agctttccag gttctgctat ccagtgattt gaggaaggcc accatccttg ctttccagta 180
 ttcatagttg gttccatcta ngattggtgg tctgttctact ggtcctcctt ctttctccat 240
 gttcatcaga atttatctcc ctagatctca ctctgtgatt tcgagtgttg gctctgatac 300
 caattganat tctgatacca ggggacagat gtcgtaccgg atgtcacgac atcacgcctc 360
 agaacatgca gattatatgt gt 382

<210> 8139
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 8139

ccttgcaagc tccaaacacc ccatttgaaa atctttctgg attaaacttt tgatcatcag 60
 gccccagag ttgaggggtct tgttgcagca ctgagattgg aatctgaata ttcattcctt 120
 ttggaattag gatgcctttt aaattaacac cttggagagc tgttctaaca acaaaggctg 180
 ctggcgaata aagcctcaaa gtctcttgaa tcaccatggt caactgcaag tgtaacattt 240
 ttatatatgg ccttcacaga tcagtaagaa tgctcatgaa actgggaaat gatcaactat 300
 aattacaata aaatttgagg cacacaaaaa tcagaaaaag cttgttggtta aatgtacctt 360
 acatgctg 368

<210> 8140
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8140

agctccttca ctccttgact caaaacgcat tgaatgaata atttcacact ccacaggctc 60
 agaatactaa tgcccaactca gacttcaacta ttcacaacaa caccatcctg cagcaaggca 120
 aaatttggct gtccttgggt catgaatnca taccacatt atgggaagaa tctcataaaa 180
 cttctgtagg gggccatata tgagttgcta agacacttca ccacttgcaa gataatctac 240
 aatggcttta tatgcgccac gatgtacgcc agtatgtggc acactatgac atctatccac 300
 atacaaagga agagactcat agaccaactg gcttactgca acctttcctt attccaataa 360
 caatgtggga aaatctctct ttatactgca ttactggcgt accacctt 408

<210> 8141
 <211> 315
 <212> DNA
 <213> Glycine max

<400> 8141

agctggtacc tccttcttac tacattttaaa tactggtttg agtcttctct gtggctatct 60
 tacaggttta gcccacacct ctaaatttat ccgatgcata catgttgatg ggctaatacc 120
 aggaatgtcg gccagggtcc agcctatagc cttcttatgc ttcttgagaa ctgataacaa 180
 cttctctctt tgctcatcag caagggagggc agatataatt actggaaaac ttttactatc 240
 atccaagtaa gcatatttta aatttgatgg cagaggcttc aaatctggtg tgggcggctg 300
 gataatggta gaaag 315

<210> 8142
 <211> 342
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8142

taagcacctg ccgcatgcag cggcaacaaa gttttcctna cttgagagaa gcccgcggtc 60

gantcatata aacctcctcc tctagatcac cattaagaaa agttgccttc acatccattt 120
 gttgcaactc aaggattgaa tgaccaacta atgccaaaat aataaaaaga gaatctttct 180
 tagatactgg agaaaaagtc ggtatgtagt ccaatccttt tttttgagta aataccttat 240
 ccacaagtct tgccttgat ctcacaatga tgcctaata atcccttttg gtcttaaaga 300
 cccatctata gtcaatggcc tttgccccat taagcaactt ta 342

<210> 8143
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8143

tatagttatt ggagggagta taaaacaatc cacaatcttt tgtacccttc aagtaacgaa 60
 gaattctttt tgcggctttt agatgacgag aggtaggagc ctccgtaaag cgacacacaa 120
 cttccaccgc atatagaata tcgggccttg tattggttag ataccttaaa ctccccacaa 180
 gactcttgaa gaccatggag tctaccttct ctccttcac aaactttgat aacttcaagc 240
 caccttccat acgtgtgttc acgggattgc aatctagcat actaaatttc ttcaacactt 300
 cttttgtgta acttccttgt gagacaaaga taccattctc cattngcttc acttccattc 360
 ccagtaatat gacatgagtc ccatatctat catatcaaat tcacgaga 408

<210> 8144
 <211> 207
 <212> DNA
 <213> Glycine max

<400> 8144

agctgtacaa atgaacaatt ctgggagatt catgcctcta ccgccgcaca aaacagctat 60
 cggatgtcgc tggatatata agatcaaata tcgagccgat ggggtccatat aaagatacaa 120
 ggcacgcctg tgtgccaagg gttacactca aacggagggg ttggactacc ttgacacctt 180
 ttcttcggta gcaaaaactca cctccgt 207

<210> 8145
 <211> 386
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8145

agctntagat actgaactgt aaccacacata gatatcgggt tcaactttct tggctagctt 60
gtctctctta atttgaggca cataagtaaa gcgcaaacat ccaaatactt taaaaaattt 120
caagaagggt ttataacat accaagcctc aaaaggagtc ttctcatcta ctgcttttgt 180
gggaagtcta tttatcaaaa atactgcagt gttttagctt ttcgcccaat atgccttagg 240
taactctttc tcatgaaaca tacatctgac catttccaag attgtttgat tctttctttc 300
actaacccca tnttgtttaa aggtgtaaga agctgttaat tgatgttcaa tgtctgcttc 360
ctcacaaaac atgatgagtt atgctg 386

<210> 8146

<211> 331

<212> DNA

<213> Glycine max

<400> 8146

cgctgaatc agacatacga gtgaaaagtt atgaccatgt gaattgtttg agagctttct 60
acggataaat ttgagcgact cgatgtatta tacgcctgaa tggaagctca tcgtaaaaag 120
ttatgaccat ttgaatgtct tgagagcatc cgttgttcat tttttagcac ctctatatgt 180
gatgaacctt aatcggacct acgtgtgaaa agctatgacc atttgaagtt ctcgagagct 240
tccatcggtg aacttagagc gtctctatat attatacgcc cgaatcggac atccgcggga 300
aacgctatga ctatctgaat ctctcgagag c 331

<210> 8147

<211> 397

<212> DNA

<213> Glycine max

<400> 8147

agtgctgta tattgatgcg cctgaatccg acatccgagt gaaaagttat gaccatttga 60
atttctcgag agcttctat gtttaatttt gagcgtctcg atatattata cgctgaatc 120
ggacctcagt gtgaaaagtt atgaccattt gaatttcttg agagcatccg atgatcattt 180
tcgagcgtct ctatatgtga tgaaccttaa tcggacctcc gtgtgaaaag ttatgaccat 240

ttgaatttct cgagagcttc cgttgttcaa tttcgagcgt ctcgacatat tatgcgcccg 300
aatcggacat ccatgggaaa agctatgacc atttgaattt ctcgagagct tccagtgttc 360
aatttcgagc gtctcgacat atgatgcgcc cgaatcg 397

<210> 8148
<211> 383
<212> DNA
<213> Glycine max

<400> 8148

tgacaggcag gtgcacatgt ctgcaatgta tttggctttt caagtggaca gtgctactac 60
tttttgcttc ttggaactct aggatatggg agaccctaac aacaggtgaa cttatcccac 120
gatgctcctt ttgtctacta gatcaccaca cctgtcagaa tcatagtagg ctacaagggtg 180
taggctatca tctcccttag tatgatgagg aaacaaaatg ccatattcga gtgtccctct 240
cagatacctc atgattcttt tagctacaat caagtgtggg tgtcttggat cactcataaa 300
tctgctgacc aagccaacac tgaaagccac ttctggccta ctgtgacaga taaactcagg 360
ctaccaacaa tctacctaaa cat 383

<210> 8149
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8149

agcttgttct taagcccttt taccactcct tctctcctta actcattctt catgtgcttg 60
aagagaattc aacaactccc ccaccttcac tgaatcaaag atccttggat tctttgattg 120
ccacaataat gtgattaataa gaggagtcaa tgttctcaac accttgccaa caatttgttg 180
gtctaacaac acttcattgc aggctttcat tgaattgatt aatgtttgga tttagttgaa 240
ataattaaca atggactctt gatcactcat tgacaataat tcatattgtc ttcaaagatc 300
ttgaagcttc accttnttgg ttttggttgc acctccataa gctttgttca agatgtccca 360
agcttctttt attatcatag cctttgaagt ttttccaaaa tttgcaacat 410

<210> 8150

<211> 325
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8150

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 tatacaagac atcttgccaa acaaagtcag gttcaccata actcgcttat gctttttctt 120
 ccatgctata tgtagcaaag tgattgatcc attaatgttt gatgagttgg aaaatgaggc 180
 cgcaattata ctgtgccagg tggagatgta ttttccccct gctttctttg acatcatgat 240
 tcacttgatt gtgcatctgg tcagagaaat caaatgctgt ggtcctgggt atctacgggtg 300
 gatgtaccgg ggtgagcgat acatg 325

<210> 8151
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8151

ncaagcttga gcaaatttaa acgactttta tttttgactc ggatgtccga ttgtgtcctg 60
 taatatatcg agacactcgt aatcggaac agaagctctg agcaaattca aacgacaata 120
 acttcttact cggatgtccg attgaatccc gtaatatac gagacgctct taattgaaaa 180
 tagcagctct gagcaaattc aaacggcaat aacttttaac tcgggtgtcc gattgtgtcc 240
 cgtaatatat ggatacgtc ggaattgaaa acagaagctc tgagcaaatt caaacgacaa 300
 taactttcta ctcgaatgtc cgattgagtc ccacaacata tcgagacgct cgtaattgaa 360
 agcaaagctt tatcaaaatc aaacgacata acttttgact c 401

<210> 8152
 <211> 404
 <212> DNA
 <213> Glycine max

<400> 8152

ttagcttcag atgatgcaga tgggtttgta gctacctcat gcactcctct aatgtttatg 60
 gcatcatttc tggcgctaaa ctgctgggag ttggaagcca tcttctcaat taaatttctg 120

gcttgagcag gagtcatgtc tccaagggct ccaccactgg cagcatctat catacttctc 180
 tccatattac tgagtccttc ataaaaatat tggagaagaa gttgctctga aatctgatgg 240
 tgggggcaac tggcacatag tttcttaa atctctcagt actcatatag gctctctcca 300
 ctgagtttct taatacctga gatatacttc ctgatggctg tggtcctaga agcagggaaa 360
 ttttttctta agaatactct cttaaagtca tcccagctcg tgat 404

<210> 8153
 <211> 333
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8153

agcttggaa aattgattac tgtgtgtatt ttntcctcgn cagataactt gagcttataa 60
 gcaacaggac caattcttct aataacttgg aatgggccat agaatcgttt ggcaagtttg 120
 gcggaagctg atgaagttcc cttggtagaa gactgtcgat agggtcgtaa ccggagaaga 180
 acccaatcgc ccacctgata attcacctcc tgacgcttgt gatcagcttg cttcttcctc 240
 tgggtcttggt ccttttagtaa tttcttgcca atgggttgaa aagtagcgtc tctatcagtt 300
 aacaagtcct caacagcttc aatgtttgac gtg 333

<210> 8154
 <211> 367
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8154

ntccctcttt gaacaaatac ccctcagcca aatagaattc atcttgggcc ttttcccaa 60
 aactctcgta aatgggagag aaatgttcat ctaaagcata caagtccta atgttaccaa 120
 atcctaaagt ttgagctcct agggagcaaa acaatgtgtg tctcctagag agggcatcaa 180
 ctaccatatt ttcttttccc tttttgtatt tgataacata tggaaattgc tctatgtact 240
 ctaccatttt tgcattgcct ttgtttaact tgctttgccc tctaattgtac ataagtgagt 300
 gatgatcact atgaatgaca aattccttgg aaacaaggta atgttcccaa gttcggaggg 360
 ctcttat 367

<210> 8155
 <211> 400
 <212> DNA
 <213> Glycine max

<400> 8155

aagctccttc aactgcacaa ggctcttaat atttgattat ttccttgtgg aaccttcacc 60
 cgtcgaagac actgacaaaa acttatcttc tcctttttgg aaaaagtatg acaagctggg 120
 ggcaagtaaa ttttcttccc atcagacctt ggatgcaact gtgatcgtat ccccatctca 180
 gctagatctt gacgggtatt caagccattc ttcaccttgc cttgaatgtt aaagagcatt 240
 ccaatcacac tgtcacatac atttttctcc acatgcataa catcaatata atgtctaata 300
 tctatatcag accagtacaa aagatcaaag aaaatggacc tcttcttcca tatgcaagtc 360
 ttacttttat cctttgtttg gggttttcca aatacagtat 400

<210> 8156
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 8156

agctataaac agacattgct tcatcttagt cgccattgac tacttcacca aatgggtcga 60
 agcagcttca tacgctagtg tgactgggag catggagatt agattcatca gaaatgagat 120
 aattttccga tatgggttgc ccaggaaaat tatcaccgat aatgccacca atctgaacaa 180
 taagatgatg aagaagatgt gtgaggatta caaaatccaa caccataatt ctatgcctta 240
 taggcctaag atgaatgggt tagttaaggc tgctaataaa aatatcaaga agatagttca 300
 gaagatgact gtgtcatata aggattagca cgagatgctc cccttttcat tgcattggta 360
 tcgaacttcg gtgcacatg 379

<210> 8157
 <211> 301
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8157

tggatatgcg agacatcttg ccgaacaaag tcgggttagt cataactcgc ctgtgctttt 60

tcttccatgc tataatgtagc aaagtcattg atcctatcaa gtttgatgag ctggaaaata 120
 atgtcacaaat tataactatgc cagttcgaga tgtattttcc cncctgctttc tttgacatca 180
 tgattcactt gattgtgcat gtggtaagag aaatcaaagtg ttgtgggtact gtctatctac 240
 cgtggatgta cctgggttgag ccatacatga agatcttaaa acgggtgtaca aagaatctat 300
 a 301

<210> 8158
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 8158

agcttttttat tttcagtaga tgaagatgta tctgtggcca cctcatggac tcctctaaga 60
 acaataacat catttcttgc actgaattgt tgggagttgg aagccatctt ctcaatcaaa 120
 ttcctagctt cagcaggggt catatcacca agagctccac cactggcagc atcaatcata 180
 ctctcttcca tgttgctaag tccctcatag aaatattgaa gaaggagttg ctcaaaaatc 240
 tgggttgtag gacagcttgc acacaatttc ttgaatcttt cccagtactc atacaagctc 300
 tctccactaa gttgcctgat gcttgaaatg tcttttctga tggcagtggt cctagatgca 360
 aggaagaatt tctccaagaa caccctctta aggtcatccc aactggtaat 410

<210> 8159
 <211> 357
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8159

tctaaactnt gtacaagaat gaagctctga taccacttgt tagacaagtg gcctcagata 60
 tcttaagaag ggggggttga attaagatat cccaaactgt tccccctaat taaaaatcta 120
 tttcactttt tactcaagtt atgaattccc ttaatgacaa tcttcttaaa tattaattca 180
 aatgaagcaa cttgaatatg aatataaagc aataataaat aaaggagatt aaaggaagag 240
 aaaatgcaaa ctcaagtttta tactggttcg gccacaccct tgtgcctacg tncagtcccc 300
 aagcaaccgg cttgagagtt ccactatctt gtaaatcctt ttacagttct aacacac 357

<400> 8160

<210> 8161

<211> 415

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8161

tagccctaga	aggggatgga	ccttttatgt	tttgagatg	atcaataaca	atgcctatag	60
gttggacctc	ccagaagagt	atggagtcag	caccactttt	aacatttctg	atttaattcc	120
ttttgcaggt	ggagctgata	ttgaggagga	ggaactaaca	gatttgaggt	caaatcctct	180
tcaaggggaa	ggggatgatg	caatcctccc	taggaaggga	ccagtcacta	gagccatgag	240
taagaggctc	caagaggctt	gggctagagc	tgctgaagaa	ggccctangg	ttctcatgaa	300
cctcangata	gatttctgag	cccatgggcc	aaggttgggt	ccaattatct	ttgtacatat	360
tagactagaa	tgtcattata	tttggtcctt	gtatttangg	ctccataatg	tatct	415

<210> 8162

<211> 406

<212> DNA

<213> Glycine max

<223> unsure at all 'n locations

<400> 8162

ntacaacaaa tagttgagaa aaaccttaaa accccatttt ttccaactat gcaactaana 60

cattcaaagc ttacaaagt ccataactaat gtctacctaa ggtgtagatg ggatgggtaa 120
 ggggtgtgtat agcccatgag gcatcacctt aaacttggct tgtaaacaag ccacacacat 180
 agtgcaatgc ttatggacac tnttcttcat atggggccaa taaaactttt ctttgagtaa 240
 gacaagggtc ttgtctatcc caaagtggcc catgagccca cccttatggc tctctntcac 300
 aagtaatttc ctaatggatc cttgnggtat gcaaagcttt ccctctctga acaaataccc 360
 ctcagccaaa tagaatccat ctcgggcctt tttcccacaa ctctcg 406

<210> 8163
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8163

ttgcatgcta nagcgccact tgacgcggtg cgccaaattc aaacgctggt gcctgttgtg 60
 gccggctata tgaatatgct atgccgtcac gactcaaac caccgccaat ttatgtactt 120
 gcttatcctt caatcactct ataaccatga taacaaaaat taaagggtat tgagctgttt 180
 aaagatatgt attaagaaat ttaaattaca aatatttaatt ttaaatatgt tgcttatact 240
 ttgaaaatat attattttta aattattatt ttaaatttat tcttgattat cttaaatttt 300
 ggttatatct taacttagca gtttattgtc aacgtaataa tctaattatt aacattctgc 360
 actattcttt aatatttaaa ttatttaaaa at 392

<210> 8164
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8164

agcttggttac agtctgatga tatatctatt ctgacctctn tgaatgcagg gaattggaag 60
 tttttagata ctacaaatgg ttctaccgga tttccagaca tcagaaaaat aaatggaaat 120
 tctgtaattg aattagtttag tatgcccaca aagataactg gtgtacatta tgtgcagggtg 180
 agttgttgaa ctatatgact agtttcagaa gaaagtcagc tttcacattt gatacagttt 240
 cttatttggt ctcttatatt ttaaaataac accagcttct aatgaagtag cttctaagtt 300

ctctaccttt tggtatttaa atactatcta cttacaaagg gccctttaag ttagtgaact 360
tccagctctg tectcttgat atgccgaaga atta 394

<210> 8165
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8165

agctngtagg gttaaagtct cacgattggt acgtgcttat gcaacaattg ttagccgtgg 60
ctatacgaga catcttgcca aacaaagtca ggttcacgat aacttgccctg tgctttttct 120
tccatgctat gtgtagcaaa gtgattgatc cagtaatggt tgatgagttg gaaaacgaga 180
ccgcaattat actatgccag ttggagatgt attttcccc tgctttcttt gacatcatga 240
ttcacttgat tgtgcatctg gtcagagaaa tcaaagtgcg tggtcctggt tatctacggt 300
ggatgtaccc ggttgagcga tacatgaaga tcttaaaaga gtatacaaag aatctatatc 360
atccgaaagc atctattggt gagaggtaca ttgcagaaga agccattgaa ttttgttcag 420
aatactt 427

<210> 8166
<211> 431
<212> DNA
<213> Glycine max

<400> 8166

agcttcttcc tcgaaccaac tcgccgacat cttcaccttt tgcttgtctc cagtagtttt 60
tcaaggtctc tgcaacaagc tgggaatgat gaatacat tcccagcttg cggggggctc 120
ttagcagcat cacaagagtt agttagaata gttagttagt tagctagtat ggctaggttt 180
ctgttgtaac caactatcaa gcatattcca tcttgataa attctctgct atcattcaat 240
aaagcttcga gatgttattc tgatcatatg atacattcac gttgctcatt tctgctatat 300
ggctgaattt acttctaata tataattaa attaatactc ccattaattg attaaaataa 360
tcatcaatta cagattgtcg agtttaggta aagattatta aaaatatggc agttgttacc 420
aaattatcaa t 431

<210> 8167
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 8167

ccttggggaa gcattaggcc tgcacatct ccatgtgtta tgatgatgcc accaacaaaa 60
 cgtgtactaa ttgcccata tgtctgcca acatattccc ttaaccatt atcgtctgtg 120
 aactgcacaa gcacacattt tgagcaactg catcctcatc aaaaggatta tattaatatt 180
 taaaaatata tatatataaa aaaaacagta catcagacct gtgttcctaaa ggcacgggca 240
 aagttttgcc caaggttatg actgggttct gcttgtaatg ctttcttgtc acccatcata 300
 gcctcaattg tataggctctt acaagcacca gcaaatgttt ccactttaga tattcgacct 360
 gtaacaacag gtattgcagc ttgtcctaaa gcaaatctgg tatagatgtc aatcatctgt 420
 atagcctg 428

<210> 8168
 <211> 383
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8168

tgtntacccc atgttgagat tgcttacaat agagctgttt atagcaccac taattgttct 60
 ctttttgaag ttgtttatgg ttntaaccca ctaactctc ttgatctttt gcctatgcct 120
 aatgtttctg tttttaagca taaagaatgt caagcaaagg cggactatgt gaagaagctt 180
 catgagagag tcaaagatca aattgagagg aaaaataaaa gctatgctaa acaagccaac 240
 aaaggagaaa agaaggttgt cttctaacct ggagattgtg tttgggtgca catgaganaa 300
 gaaagggttt cggaacaaag gaaatcanag ctcaaccag gggagatgga ccatttaagt 360
 gcttgaaaga ataatgacaa tgc 383

<210> 8169
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 8169

agcttctaga tgagttatgt ctgcgaatct gacatcctgt gaaaagttat gaccatgtga 60
 atttctcgag cgcttccggt gtttaatttc aagcgtctcg atattttatg tcctcaaadc 120
 agacatcgga gcgaaatgat atgaccattc gaatttgctg agagcttccg tttttcaatt 180
 tcgagcgtct agatgagtta tgtcaccgaa tcagacatct gagtgaaatg ttatgaccat 240
 tcgaatttgt cgagagcttc cgatgctcaa tttcgagcgt ttagatgagt aaggtcaccg 300
 aatcgacat cctgtgaaaa agatatgacc attctgtttt gtcgagagct tccgttgtca 360
 atttcgagcg tc 372

<210> 8170
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 8170
 taactaatca aatgggacaa tgggctacgt atttaaatta acaacagtcc cagaattgtg 60
 accgattacc ttctcaatct gtccaaaadc caaaaaatgt gagtgtgatt gcattgaggt 120
 cgggaaagca gtgtcaaaga cctcaaccag tagcatcttg ctcacccgca aatgaacctg 180
 cccaacttca ctctactcca gaaaaagatg atgacaaaaa tttaacgagt aagttaccta 240
 acaatttata tgcaggtgaa tctttcactg gtaattctga tttacagaag cagcatatcc 300
 ctctttcatt cctccaaga gcaattttca acaaaaaaat ggaagaggca gagaaggaga 360
 tcttggaac atttagaaaa gtagagggtg acatacctct gctggatgca ataaagcata 420
 ttccagatat gc 432

<210> 8171
 <211> 358
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8171

tgtacgactg tgtctcgtgt atatctagac gctggaaata gattacagag ggtttgatca 60
 aattcacaag acaatcgcta ttgactcgga ggtccgattg agaccctca tatatctaga 120
 cgctcggtat agataacaga ggctctgatc agactcaaac gacaataact nttgactcgg 180
 gtgtccgatt gagtcccgta atatatcgag acgctcgtaa ttgaaaacag aggcactgag 240

ccaattctaa cgacaataac tttttactcg gaggtccgat tgagagctgt aatatataga 300
gacgctcgtc attgaatata gaagctctca gtcaattcta acgacaataa cttttttac 358

<210> 8172
<211> 280
<212> DNA
<213> Glycine max

<400> 8172

agctttgagc aaattcaatt gacaataatt ttgactcgg atgtccgatt gagtcctgta 60
atatatcgag acactcgtaa ttggaaacag aagctctgag caaattccaa cgacaataac 120
ttcttactcg gatgtccgat tgaatcccgt aatatatcga gacgctatta atggaagata 180
gcagctctga gcaaattcaa acggcgataa cttttaactc ggggtgccga ttgagtcccg 240
taatatatgg atacgctcgt aattgaagac agaagctctg 280

<210> 8173
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8173

tatcatcact tattagcctt attagagata ttgattggt ggaccatattg aaacaatggt 60
ttttgtgtat ttaattttcc aacaaatatt ctaactgagt caagatggta ttttatattc 120
caaatttcaa gtaaaataaa aatatttgag cttccaagga tatatgatgg ctcatggctg 180
ccacaaatat ttcattgctta acatctttat acatgaaaat attggttagca cataatggct 240
tgagatctgt taggaacaac caccgtgagc tcatagcagt tgtttatctt taagtaaaca 300
ttgtacttca tgctcttacc ttngctacac agtcaaggag tggactgagc ttgaacaccc 360
taaccttttt cttcttggtg cttttattat ggcacaactg gtagttgtaa tgaagtaaag 420
ttctctttct aatattggta ctct 444

<210> 8174
<211> 364
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8174

agctnggacc cgaaaattta aagaatttat actcattaag aagactcagc tcagccacaa 60
cgttgcaaga ttcagatttg cccttcctac tccttcttca gtattaggcc ttctgttgg 120
aaaaaacata cttgctaggt ttaatttgga aaagattttc ctgatgttgc tctaatacta 180
tatttaactt atcccgttga ataaaacacc ataaacttta aatacaagaa ttataataat 240
aaagaaaaag agatgtaaaa ctattttata ttaactgtta agcaggggga aagatagcca 300
aggagaggaa gttatgagat catatactcc aatcacgttg gattcagata ttggctactt 360
cgag 364

<210> 8175
<211> 381
<212> DNA
<213> Glycine max

<400> 8175
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tcccttacct ctaagtgacc tcgcgtgtgc agtttggcag tgatagcaac gtctctagct 120
aagattcctc aagtttttcc tctggttggt ctgcttggtt ttccaagcat tagagtgaac 180
gagaatgaat tacaacttca atttcaactgt ctcttgcca gggaatttc tctttctact 240
aatattattt cgaaaattcc aattgagtga atatgcgaaa atgagttccg aaggtggtat 300
ccaaatttca ggataatcca acggttaagg agtctaggat cgtagtttta ctacaatggg 360
tttggtatga tatgtgaaaa g 381

<210> 8176
<211> 418
<212> DNA
<213> Glycine max

<400> 8176
agcttgcatt atttacatct ccctctttct caagcaaatt cttcttgata tcatcaaaat 60
cttcatgatt tacattctcc ccttttttga tgatgacaac cacctatagg ttaggagcaa 120
caacaaagaa aatatctatt tgcatatagt ttactcccc ttggttttac attgattgct 180
tatatgagac aattgaagat ttcatatttt tcatatataa aaagttatct cataaaacaa 240

tagatatttt gcaataaact ctcttcaaga gaagaatatt acaataaaga tcatgtagga 300
atccttatag attttgcaag tgtttggcca aggatttctt ttgagagagc atttgacaat 360
gaagttcttt tggaatctct ctcatgtgt tttgagagga taagacactt ttgtcaag 418

<210> 8177
<211> 323
<212> DNA
<213> Glycine max

<400> 8177

tcagttgccc attggcgtaa atgaggatgt taccgtcttt tatgactctg tggagaggca 60
ggcagaggat gtaggaaagc tcgttgagcg cgtctttgag aaccacagag atgtcaggct 120
ccataaaacc gttggggtgg gagtgacaaa cgatggatat atgtgatctc ttggccatga 180
atcacatgcc tccccacagg caacgatata gtgtgaagga acaatgtgct ctgaggatgt 240
tggggtagga accgagggat ggggatatga cctctctacg gacatagtct aattcaggcc 300
cagagccgtt cactttgatg gat 323

<210> 8178
<211> 343
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8178

ntgacaagac agtacacact gctgactgct tcaacatgta tcaatatgga aatctactct 60
aaagatacat ctgataagac ccataattat aacactcccc ctcaagctgg agcatatnaa 120
ttatatgcac caagcttga acatataaac tgaattctag gcccccttaa ggacttancg 180
aaaatatatg ctggctgagc atcggaattc atgaattcag agacagtctc tttatacagt 240
aacttcttcc gaataaagtg acagccaatc tctatgtgct tggttctctc atggaagacc 300
ggatntgaag caatatgcag agcagccaga ttatcacaat aca 343

<210> 8179
<211> 298
<212> DNA
<213> Glycine max

<400> 8179

agcttctcag atctgggtcat ggaaagactt gtcaactgcc ttcattagga agtaccaata 60
caacacggat atgggtcctg atcggaacca acttcagagc atgaccaaac gggaacatga 120
gtccattaaa gaatatgtc aaaggtggag agacctagct gtccaagtca tcccacctat 180
gacggacagg gaaatgatca caattatgat aaatacgttg cctacgttct actacgagaa 240
gctgatagga tatatgccgg ctaactttgc aaacctcgtc tttgccggag aaagaatc 298

<210> 8180

<211> 443

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8180

tgagcacctt tttcctcact tcttccttca ttgatgggtt gagccttctc tacggttgta 60
tgattggtct atagtctcct tccatcattt tcttgtgcat gtagttggca gggctgattc 120
ctttaagatc taatatgtgc caccgaattg cttccatgtg tcccttgagg acctttacca 180
acctattctc ttcctctgct gttagctcac tgtgatcacc acaggcttgg tctcgtctc 240
ctccaagaac acatacttca ggtgggtggg taggatcttc aactccacct tggcttctc 300
ggatggactc ccactttnta attcttcaaa gctgggtcccc cttgcacgaa tgttttcttc 360
atgatctaag tctttcaaga aagtgtcag atcctttttc tcttcaatat gtagatgatc 420
cacaacatng atcaaaactt tct 443

<210> 8181

<211> 449

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8181

tatctgagta atgatgatga gacattagct tttatattgt tgcattgaat gttgcttctc 60
ttacgatcct ccttttttct tctttggcca taactatagc ctgctctttg tcaccgctct 120
gcactctcca cttcacacac tctgtttcct taaaaaact ttgcaccta tcaattatat 180
cgcttttaaa atatattgaa taaaaaatat gcttaatttt gttctaaaat ataataacag 240

atacatccct tttcatgata taagaagatt tatatgaaat tntattttaa agtttaattct 300
 ctgtaaaaaa cattatatca ttaatcaatc atgaatctta attgtcagca taacttataa 360
 aataattatt ataaaactta ataatttggt ttcagtgat ttattataaa aaataataaa 420
 tgtatcatat atgataaatt tatgattaa 449

<210> 8182
 <211> 314
 <212> DNA
 <213> Glycine max

<400> 8182

tagtcctttc atgaaaaact gggtttgagg caatatgaag agcagtctga ttatcacaat 60
 acaactttat tggcgactct tcacaaaacc ttcaattcct acaaaaactg ttaattcaca 120
 tgagctcaca agtaaccata cacatagatc gatattcagc ttctgcattg gaccgagcga 180
 ccatagtctg tttcttgctg tttccaagaa aaagatttcc ttcaatgaag acaccatata 240
 ctgatgtaga ctttctatcc atgggacaac caccccaatc agcatcacia tattccgata 300
 gttgtgtatt accc 314

<210> 8183
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8183

nggtgacctt tcacactata tccactcaaa ttcccattat ctggaaagtc attaattggtg 60
 caaaatatca tcgcatgcaa cctaaaagtc tcaccctgat ttgcatcata cacatcaacc 120
 ccgtctacct aaaacttacg catgtcttca atcaaaggag taaggtagat atcaatatcg 180
 tttactggct gtcttggacg tgatatcatt atagacaaca taatgtattt gcgcttcatg 240
 cataacgaag gaggaaggtt gtaaattcatt agcaacacac gccatgaaat gtgattagtg 300
 gacaagttac caaatggatt catgccatcc gaagaaagac caagtcgaag gtttcttggg 360
 tcggctccaa attcaagata caagtgatca a 391

<210> 8184
 <211> 463

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8184

ggtcgcanat ntaattacag aagcaggtgc aaatcgtgta cttgcttggtg acctccattc 60
 tgggcagtcc atgggctatt ttgatattcc agttgatcat gtgtatggac aggtaacaga 120
 tgattatgcc atattgtcat tacaatataa tagcatggaa gaaaaaaaaac atttaaatcta 180
 ttaaactcaa acaaacaac atgccttgga tatgttgat atttgaatt gatagttact 240
 ccaataattt gttaattcat tgtattgatg catctctagt ttgaattgaa atgaagtgc 300
 aaccttctag tgacatgcc aatttactgt tagtaggtat ataattattt aaatttccaa 360
 tttctgtgt aaagaaactt caaatctagt attgtttaga tgtgctaaaa tcttctattg 420
 ttnttttttc ctggttcagt cactcgtgga ctctaattgt ttg 463

<210> 8185
 <211> 345
 <212> DNA
 <213> Glycine max
 <400> 8185

atgtgctatt ccaagttcat taatcatacc ttttagccag attgattcct tcaactccttc 60
 aactagggcc atgtattctg ctttagttgg ggacaagacc acaacctaatt tgttgatttg 120
 ctttcaaact gattgttgta ccaaacaag taaacacata tctgttaag gacttccttg 180
 tgtctacatt tactacaaaa tctgcatcta cataacctgt gactgctgcc ttgtgtgctg 240
 tcttcttgta ccttaaacca gctttcaaag atccatttag ataccttaat ggccacttca 300
 cagccttcta atgtgcgctg tccggatctt ccatgaatct actta 345

<210> 8186
 <211> 359
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8186

agcttatcct ctagggatcc ctttatatgt tcattttaat ctccaagcgt gagtaactca 60
 tcccttacct ctaagtgacc tcgcgtgtgc agtttggcag tgatagcaac gtctctagct 120

aagattcctc aagtttttcc tctggttggt ctgcttggtt ttccaagcat tagagtgaag 180
gagaatgaat tanaacttca atttcaactgt ctccttgcca ggggaatttc tctttctact 240
aatattattt cgaaaattcc aattgagtga atatgcgaaa atgagttccg aaggtggtat 300
ccaaatttca ggataatcca acggttaagg agtctatgat cgtagtttta ctacaatgg 359

<210> 8187
<211> 346
<212> DNA
<213> Glycine max

<400> 8187

gctgaaatga acacgaagct ctcaaaaaat ctagtgggcc taaattttca cacaaatgtc 60
ccatatcggg aaataatata tcgagacccc cgaaattgaa caaccggaac ctctcgagaa 120
atttgaatgg gcataacatt tcaactcggat gttcgatccg gggacataaa ttatcgagac 180
cctccaaatt gaacaaccga aactctcgac aaattagaat ggtcctaact tttcacgcga 240
atgtcgattc ggggacataa ctcatctaga gctcaaattg aacaaccgaa gctttcgaga 300
aatttgatgg tcataagttt cacacggatg tccgatccgg gaacat 346

<210> 8188
<211> 353
<212> DNA
<213> Glycine max

<400> 8188

agctgggatg tctactagtt ttgtcaggaa tatatatata tatatatata tatatagcat 60
gttgagagac aaatgtgggg aaaagttatg ctggttcttg aagaatccat gccatatgga 120
tgctacagag tgaaaggggac ttgttttagt gtagagagat gaagaaagtt ctacgttaat 180
ttggaatatg atttggtggt tggaaggaga accgtaaaag agggtgcaag agttttccaa 240
cgtgttccag aggcttcatg tgttactttg tcaacatatt ggtcatattc atcggactac 300
agcttttctc tttaagtaat gttttgggca atttcacact aagttgggat taa 353

<210> 8189
<211> 318
<212> DNA
<213> Glycine max

<400> 8189

tcagagatgg ttttgaagtt tcttctgccca tcttttgcca cggtgacatt aggtgtgggt 60
ttctcatttg gaccgattaa ctcagcaagg ccggcccaaa caggaactgg accaaccat 120
gcaagaatgg agcctgcagc ccaaaaaaga actgggccag gaacaacacc aggagcaaga 180
gcagcacctg cagtattagg agaaacacca ggagcagaag caacacctgt agtagtagga 240
gcaacaccag gagcagaagc agaaccaaaa gaagaagaac cagaacaaa tatagacca 300
aaaccagcac caacagca 318

<210> 8190

<211> 332

<212> DNA

<213> Glycine max

<400> 8190

tctcgatata tgattcgctt gaatcgaact ttcgtttcaa aatttatgac catatgaatt 60
tctcgagact attcgttata caaattcgag cgtctcgatt tattatgtgc ctcaatcgga 120
cctccgtgta ataagttatg accatttgag tttctcgaga agcttcgctg ttcaatttca 180
atcttctcga tatactatgc gcctgaatcg gactcttggt ggaacagtta tgaccatag 240
aatttctcga gagcattcgg tgggtcaatta aaagcgtctc gatattttat gcgcccta 300
cagaccttcg tgtcacaagt tatgaccatt tg 332

<210> 8191

<211> 350

<212> DNA

<213> Glycine max

<400> 8191

agcttctcgt tatattatgt gtttgaatcg gacttccgtt tgaaaaatta ttaccatttg 60
aatttctcga gagctttggc tgttcagttt cgagtgtctc gatatattat gcgcctgaat 120
cggacttttg tgtgacaagt tatgaacatt tgaatttctc gagacctttc ggttttcaat 180
taagatcgtc tcgatatgtg atgcgccaga atcggacttc cgtgtgacaa gttttgacca 240
ttggaattta ttcgagacct tccgatcttc aatttcgagg gtctcgatat attatgtgcc 300
tgaatcggac tttcgtgtga caagttatga acattggatt ttctcgagac 350

<210> 8192
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 8192

tcttagtttc agatgatgca gatggggttg tatctacctc atgcactcct ctaatgacta 60
 tggcatcatt tctggcgcta aactgctggg aattggaagc catcttctca attaaatttc 120
 tggcttcagc aagagtcatg tctccaaagg ctccaccact ggcagcatct atcatacttc 180
 tctccatatt actgagtcct tcataaaaaat gttggagaag aagctgttct gaaatctgat 240
 ggtgagggca actggcacat agttttcttaa atcgctccca gtactcatac aagctctctc 300
 cactgagttg tctaatacct gagatatctt tcttgatggc tgtggtcctg gaagcagggga 360
 aaaaattttc taagaatact ctct 384

<210> 8193
 <211> 342
 <212> DNA
 <213> Glycine max

<400> 8193

agcttaacat tgtaccactt tttggtgctg gaactacttc acatggactt gatggggcct 60
 atgcaagttg aaagccttgg aggaaaaagg tatgcctatg ttgttgtgga tgatttctcc 120
 agatttacct gggtaactt tatcagagag aaatcagaca cctttgaagt attcaaggag 180
 ttgagtctaa gacttcaaag agaaaaagac tgtgtcatca aaagaattag gaatgaccat 240
 ggctgagagt ttgaaaacag cagtttactg aattctgcac atttgaaagc attactcatg 300
 agttttttgc atccatttaa ccacaataaa atgtgttttt tg 342

<210> 8194
 <211> 348
 <212> DNA
 <213> Glycine max

<400> 8194

agctttctgg tgtacctgaa gatgctatta ggctcagcct gttttcattt tctttatttg 60
 gggaggccaa gagatggttg cattcattca agggcaacgg tttaaagact tgggatgaag 120

ttgttgagaa gtttctaaaa aaatatttcc tatagtctaa aactgcatag cgaaaagcta 180
 taatttcttc attccatcag tttcccgatg aatctttgag tgaggcatta gaaagatttt 240
 gtagcttgct gcggaaaact cccactcatg gtttttcaga gcctataaag ctgaacatct 300
 tcattgatgg gttatggccg cagtcaaagt atttactcga tgcttctg 348

<210> 8195
 <211> 389
 <212> DNA
 <213> Glycine max

<400> 8195

ttggagtttc caagtgccaa ttcgtcttct tctttagtc tttcctcttc tggcttcaat 60
 tcatcagtgg gctttccttc tgtgtccagc atcttgggat gttcccagcc tttgatgaca 120
 gctttccagg ttctgctatc cagtgatttg aggaaggcca ccaccccttc tttccagtat 180
 tcatagttag ttccatccag aattgggtgg ctgttccactg gtctccttc tttctccatg 240
 ttcacaaaaa tttatctccc taggtctcac tcagtgattt cgagtgcccg ctctgatacc 300
 aattgaaatt ctgataccaa tgccagatgt cgtacaggat gtcacgacat cacgcttcag 360
 aacatgcaga atatctctga gtgtatgaa 389

<210> 8196
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 8196

tctacagaag gtttgttcct aatttctcta ctcttgccct acctcatcct actaagagga 60
 aatgcaagct tagtcccaga ggtgatggac ctttttaggt cttggagatg atcaataaca 120
 atacatatag gttggacctc tcagaagagc ttggagtcaa caccactttt aacatttctg 180
 atataatttc cttttgtatg tggagctgat actaacgagg aggaaccaac agatttgaag 240
 tcaaattctc ttcaaggggg aggcgatgat gcaattctac ctacgaaagg accaatcact 300
 aaagcaatga tctaaacgat ctaaaatgat tgggctaaac tgctgaagag ggccttaggt 360
 ctcatg 366

<210> 8197
 <211> 379
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8197

ttacaaaaat agtttgagaa aaaccttaaa attccatttt ttccaacatg caactaaaac 60
 attcaaagct ttacaaagtc cataactaatg tctacctaag gtgtaaattgg gatgggtaaa 120
 ggtgtgtata gcccatgagg catcacccta aacttggctt gtaaacaagc cacacacata 180
 gtgcaatgct tatggacact tttcttcata tggggccaat aaaacttttc tttgagtaag 240
 acaagggtct tgtctatccc aaagtggccc atgagcccac ccttatggct ctctntcaca 300
 agtaatttcc taatggatcc tttgggtatg caaaactttc cctctttgaa caaatacccc 360
 tcagccaaat aaaatcatc 379

<210> 8198
 <211> 270
 <212> DNA
 <213> Glycine max

<400> 8198

tgcaatatat ttgcaacctt ttogatgcca tttaacgtta tcaatggacc ggaaacaaca 60
 tcgcgtgtta cttaaattcct catgtaaggc cctgcatgat cccacaaata tcgcgtttct 120
 tatatccctc tcctcttaaa aaatgaacct gctgacaaaa aaaatattta agtatTTTTA 180
 cccctttaat actatccttc ccattggata gtaccagaaa tctttattga actcacgcaa 240
 tttgacacaa aaagacactg tcatttcat 270

<210> 8199
 <211> 343
 <212> DNA
 <213> Glycine max

<400> 8199

tgcatgattt acatctcccc ctttctcaag cttattcttc ttgatatcat caaaatcttc 60
 atgatcccgga ctcgttggtg gaggatgcat gaatgacaat caattcatgg ggctccgaat 120
 aaaagtggat aatggaggat atgcgaagag cgctaggcaa tcaattcgcg gttctccgga 180

ctcgttggtg gaggatgaat gaatgacaat caactcctgg ggctccgaat aaaagtggaa 240
aatggaggat acgagaatag cgctaggcaa tcaattcgcg gggctgcaga ctcgatggtg 300
gaggatgcaa gaatgacaat caacttatag ggctacgaat aaa 343

<210> 8200
<211> 360
<212> DNA
<213> Glycine max

<400> 8200

tgtcatttca tctccgctct ttgttttagtg gtatctgagc aaatcagcca acttggacct 60
gttctgacta tcctcgtgga tacccaactt caaattcttc gaaaaagcat cataaaactt 120
gttgtaatct tccttgttct ccgcaatttc attgaacatc tcaatgcact tcttcacgag 180
attcttcctg atcaccttca ggatcttggc ttgggtgcagc atctcacgaa agatgttgag 240
cggcaagtca tcggagtcaa caacaccttt cacaaatcca aggtactcag gaatgagctc 300
ctcacaattg tccattataa acacccttct gacataaagc ttgatgttga tcatcttctt 360

<210> 8201
<211> 349
<212> DNA
<213> Glycine max

<400> 8201

cctgctagca tgcaagctct ggagttttca agtgccatat tegtccctctt ctttagacca 60
gtcttcttct ggcttcaatt catcagtggg ctttcttctt gtgtccagca tcttgggatg 120
ttcccagcct ttgatgacag ctttccaggt tctgctatcc agtgatttga ggaaggccac 180
cattcttgct ttccagtatt catagttgct tccatcaaaa attggtgggc tgttactga 240
gcctccttct ttctccatgt tcatcagaat ttatctcccc agatcttact ctgtgatttc 300
gagtgttggc tctgatacca attgaaattc tgataccagg ggacagatg 349

<210> 8202
<211> 173
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8202

ttcacacgga ggtctgattc angcacatca tatatcgaga ctctcaaaat tgaacaatgg 60
aagctctcga tatattaaaa attgtcataa actttcactc gaatggcccc attcagggcc 120
catcagatat cgagacgctc gaatttgaac aacggaaccc ctcgagaaat tca 173

<210> 8203
<211> 297
<212> DNA
<213> Glycine max

<400> 8203

tcagctgatac attccctctt tctctgtttc aatgataagt catttactgc acttttggtg 60
tatgttgatg atataattct aacaggggaat gatataatgg ctatcaatcg tattaccata 120
tttatggacc aaaccttcaa gattaaagat cttggcactt taaaattttt ctttggcatg 180
gaggttgctc gttcccagca ggcatccatc tatgtcaaag aaatatggc tagatattct 240
ctctgattct ggaatgcttg cttgccgtcc agcttaacac ctatggattg gactact 297

<210> 8204
<211> 361
<212> DNA
<213> Glycine max

<400> 8204

tatacccatg agtattattt ttatgatcct cataactggg agattgagaa acatagactt 60
cctcttcaat gtattctttt aaaaaagcac tcttcacatc catttggtac agtttaaaat 120
ccataataca atcaaatgca agcaataatc tcacaacttc taatctagct attggagcat 180
aagtttcacc aaaatctatg tgctcttggt gggtataacc ttttgctact agccttgatt 240
tattcctagt tatcaagcca tgttcatcta gcatatTTTT gaaaacccat tttataccct 300
ataatatttg gcttactagg cataaagtag tagttcccaa acttcatttc ttttaaattg 360
a 361

<210> 8205
<211> 274
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 8205

ntgaactttc gtatccttct ggacttttagc ttccattcca atcagtttat ttgggaaaat 60
attcatttat ttttaattaa tttctaacat ttttagatat tacttattnt aattaaaact 120
tcctagttaa gttcttggaa atgtatatta caagtgtatg taaatcaata aattgatgac 180
attatttcac ctaatcattc atttcacatt ccaatttata tatgtaactg catttgaata 240
ttaaaaaacta ataatttaaat gatttataat aatt 274

<210> 8206

<211> 355

<212> DNA

<213> Glycine max

<400> 8206

agctttgaat ctccatacat ggtttgcaca tgctgtgtga tgcaatccta ccacgcaagg 60
gcattggata gaagactcca agtagattgg gctagagatg caagagaagg ccctaagggtt 120
ctcatgagcc ttagggcaga tttcgggcct atgggctaag tatgagccca cttatcttag 180
tacatattag attaagggtt cattatcttt tgggccttgt atttagggct ccataatgta 240
ggtaaggtag cctagaaatg taggattttt caaccattgt attttagggc acctagacta 300
gtttttgtat taggggtagt tttataattt catatgcatt aagtgaatat ttgat 355

<210> 8207

<211> 286

<212> DNA

<213> Glycine max

<400> 8207

tcaacatcag accactttca gtgtgctgga actacatcac atggatttga tggggcctat 60
gcaggttgaa agccttggag gaaagaggta tgcctatgtt ggtgtggatg atttctccag 120
atatacctgg gtcaacttta tcagagagaa atcagacacc tctgctactg tcaagcactt 180
ccacatcttt ggaagtccat gttacatttt ggcagataga gagcaaagga gaaagaagga 240
tcccaagagt gatgcacgaa tattcatggg atactcttca aacagc 286

<210> 8208

<211> 351

<212> DNA

<213> Glycine max

<400> 8208

agctttgagc ttattcaacc gactataacc ttttactcgg atgtctgatt gagtcccgta 60
atatatagag aagctcgaaa ttgaatgttg aacctctgat ccaattcaaa ggacaataac 120
tttttactcg gatgtctgat tgagttccgt catatatcga gacgctcgaa cttgaatgtt 180
gaagctctga gcaaattcaa acgacaataa atttttactc ggatgtccga ttcagtgacg 240
taatatatcg agacgctcaa aattgaatgt tgaacctatg agccaattca aacgacaata 300
actttttact cggatgtctg attgagttcc gtcatatatc gagacgctcg a 351

<210> 8209

<211> 364

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8209

ctaagctggg ttggttaacca aacttttagca atataaaaag tttatgttac acgggactga 60
agtgtcccaa attgcaaact gataaaagac aagaaatttt gtttgcaggt acttactcct 120
tcgtactccc tccaaggaag cttcccatg aacatttcta taattgtaca acccaaactc 180
caaatatcaa caacaaaagc aagggtcaaag ctgttatctt tttgcacaac cgcttgaaaa 240
agctacatgt atgtggaata agtgtttata gagaatgcat gagacatcat gaagtaaaat 300
agagttataa acttaggggtg ctcanggttt tgggtgaagcc aatttttggt gtctgtgcca 360
acta 364

<210> 8210

<211> 350

<212> DNA

<213> Glycine max

<400> 8210

agcttggtg gctctatcca tatttgaagc agagtatatc gctgctgggtg gttgttggtg 60
tcatatcttt tggatgaaac aacaactaga agattttggt atcttccttg atcacattcc 120
tttgatatgt gacaacacaa gtgcaataaa cttgacacaa aatcttggtca tgcattctag 180
aactaagcct ataaaaataa gacatcattt cattagatat catgtgctta aaggagattg 240

tggtatagta tttgtagata caaccaacca actagttgac atctttacaa aacccttgtc 300
tagggataga tttataaaat aggacatcat ttcattatat atcatgtgct 350

<210> 8211
<211> 344
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8211

ttggagtttc caagtgccaa ttcgtcttct tcttagtcc agtcttcttc tggcttcaat 60
tcatcagtgg gctttccttc tgtgtccagc atcttgggat gttcccagcc tttgatgaca 120
gctntccagg ttctgctatc cagtgatttg aggaaggcca ccatccttgc tttccagtat 180
tcatagttgg ttccatctaa gattggtggt ctgttactg gtcctccttc tttctccatg 240
ttcatcagaa tttatctccc tagatctcac tctgtgattt cgaatgttgg ctctgatacc 300
aaatgaaatt ctgataccag gggacagatg tcgtaccga tgc 344

<210> 8212
<211> 286
<212> DNA
<213> Glycine max

<400> 8212

tgagcacctc ttttcttacc tcttcttca ttgttgggtt tatccgcctc tgaggttgct 60
ggactggcct gtaatcgtct tccatcatta tctgtgcat gcagtaagca gggctgattc 120
ccttgagatt cgatatgttc catccaatta cttccttgtg tttcttcaga atgtctacca 180
acttgttctc ttcttctctc gcaagtgcac ggctgattac tacagtttta gtgtcatctt 240
cctctaggaa cacatacttc agatgattgg gcaatatctt caactc 286

<210> 8213
<211> 355
<212> DNA
<213> Glycine max

<400> 8213

agcttcttgt tgttactatg atttttcaat atttctccc tccctcttct atctggtaat 60

ccaacagtga cctattggaa caattacaaa ttgtcatgtc ttataatttt gttgaatttt 120
tagtaactac taactagctt aaaagtcata cctaccaact gattgatcga tcgtgcaaaa 180
agttttatag tactagcata ttataataaa attcattgtc ttatacgta aaatttggtt 240
atttttatag taattacttt aaaagctata ttataataa attctgatgg gttaatgatt 300
tacaatagca atgcatggaa attaaactga taaataataa ttatataggc attaa 355

<210> 8214
<211> 356
<212> DNA
<213> Glycine max

<400> 8214

agcttgtcca atgctttccc atattaacct ttctgatgtc gcacataaga cggagtcacc 60
ccgtaaaaaa cgggccaac caagcgaccc ttcttcatta tgcactcaag gatcatgaca 120
agctcttcaa gacagtaagt tgaggaagca tagttttcag agaaaacaac aatggcaatt 180
cttgactgct gaattgcctt gaaaagagca tgtctaactt cttccctct tctgagcccc 240
tcatcatcca tgaagggtg gattccctgg tcacaaagag acttgtaaag gttccagt 300
aaaccacttc gagtatcatc gcctctgaaa ctgaggaaca catcataagt ccactc 356

<210> 8215
<211> 350
<212> DNA
<213> Glycine max

<400> 8215

agcttgtggtt ttctcacag atttgacatg catgatgccc ttccacactg tatccactta 60
aatttcata tgctggaaaa tcattaatag taaaaaacac cattgtgctt aacctgaacg 120
tctgtgcac atttgcattc cacacatcta ccccttcttc ccacaattgt ttcaagtctt 180
cgattaatgg cgtaagatac acatcaatat cattccctgg ctgccttgga cccgcatca 240
tcatacacia gataatgtat ttacgcaaaa tgcacaacca tgggggaagg ttgtaaatca 300
tcagtaaaac aggccacgaa ctgtggttgc tgcttaagct accataagga 350

<210> 8216
<211> 321
<212> DNA